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# the johns hopkins News-Letter

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## Local sexual assault raises concerns

Hopkins and city  
authorities respond

By LILY NEWMAN  
Editor-in-Chief

A female undergraduate was sexually assaulted a block from campus last Saturday by a man who claimed to be armed.

The attack occurred at 1:20 a.m. on Lovegrove Street, an alley that runs from 32nd to 33rd Street behind the 3200 block of North Charles.

"Hopkins Security responded to the scene when Baltimore Police activity was observed at the location," Lieutenant Mark Long wrote in a statement.

"Officers then responded to Union Memorial Hospital to gather information surrounding the incident and to assist the police and victim."

The woman involved in the assault suffered minimal physical injury, though a JHBroadcast sent at 9 a.m. on Saturday stated that the victim was being provided with, "whatever support and assistance she needs in the days and weeks to come."

SEE ASSAULT, PAGE A6

## Physics professor awarded Nobel prize

By MALI WIEDERKEHR  
Science & Technology Editor

A wave of excitement and pride reverberated throughout the Hopkins community on Tuesday when Hopkins Physics and Astronomy professor Adam Riess received the Nobel Prize in Physics for discovering that a mysterious force known as dark energy causes the universe to accelerate and

expand.

"This is completely overwhelming. It's just been an incredible day so far and an incredible 15 years ride in this era of cosmology," Riess said in a press conference in Mason Hall on Tuesday.

Riess shared the prize with Brian Schmidt, of the Australian National University, and Saul Perlmutter from the University of California, Berkeley.

The three scientists spent years recording seemingly erroneous distances of supernovae, until repeated experiments verified the results. "Anybody who has ever done science knows that there are 52 ways to do something wrong and not many ways to do it right and that you frequently make mistakes," Riess said.

SEE NOBEL PRIZE, PAGE B7



COURTESY OF KELLY STANDART

Recent Nobel prize recipient, Adam Riess addresses the audience at Tuesday's press conference in Mason Hall.

## SGA welcomes freshman officers

By OLIVIA CUSIMANO  
AND KATHERINE  
SIMEON  
Staff Writers

The Student Government Association (SGA) welcomed their newly elected Freshman Class President, Joshua Goodstein, and six Freshman Senators, Evan Brooker, Mahzi Malcolm, Alex Barbera, Alessandra Olekhovich, Nash Jenkins and Rodolfo Finocchi at their meeting Tuesday night.

SGA Executive President, senior Ardi Mendoza, congratulated the freshmen and informed them that the voting turnout was three times of what it was last year.

"This is [one of] the highest turnouts in the past four years, since I was a freshman," Mendoza said. "The numbers we had for the presidential election alone [was a] 65% turnout, which is fantastic. It's really great to see people more interested in the SGA and the Hopkins community."

The turnout percentage for the senatorial elections

have not been calculated yet.

The newly elected SGA representatives see this as a positive reflection of their class.

"In regards to the voting turnout, I feel that it is representative of the changes taking place in our countries politics!" freshman senator Mahzi Malcolm wrote in an e-mail to *The News-Letter*. "The desire to fulfill positions that mold one for the future (outside college) are beckoning because the current political situation is somewhat of a grim future."

Overall, the freshman members are eager to contribute to the Hopkins community through their new responsibilities with the SGA.

"Getting elected for class senator means a great deal to me," freshman senator Rodolfo Finocchi wrote in an e-mail to *The News-Letter*, "I feel truly honored to be able to represent my fellow classmates throughout the years."

SEE FRESHMEN ELECTIONS, PAGE A7

## Free Fall Baltimore boasts local artistic talent

By KATHERINE SIMEON  
News & Features Editor

The Baltimore Office of Promotion and The Arts (BOPA) is hosting its sixth annual Free Fall Baltimore

month, an event that brings together museums, theatre, literary organizations and other local artistic endeavors to the Baltimore community for free. This year, BOPA implemented a larger advertising campaign and has added more programs to the calendar,

such as events from Black Male Identity Project and Literary Arts Week.

By running Free Fall Baltimore, BOPA's main purpose is to encourage Baltimore dwellers to immerse themselves in the local cultural landscape that is thriving year round.

Everything has a focus on literary arts. The great thing is the diversity.

— J. Buck Jabaily, Executive Director of the Greater Baltimore Cultural Alliance

Free Fall Baltimore has a two-fold mission," R and i Vega, Cultural Affairs Director of BOPA wrote in an email to *The News-Letter*. "The program highlights

SEE FREE FALL, PAGE A7

## \$2/Day Challenge exposes students to homelessness

By RACHEL WITKIN  
Managing Editor

Last Thursday through Saturday, nearly 15 Hopkins students participated in the \$2/Day Challenge, a social experiment organized by members of the Women's Pre-Health Leadership Society (WPHLS) to give students an idea of what it is like to be homeless.

"\$2/Day Challenge is experimental learning... where students have the opportunities to get a taste of the complexities and issues of homelessness," senior Nikki Jiang, Co-President of WPHLS, said. "You get to



COURTESY OF NIKKI JIANG

Students who participated in the challenge were not allowed to return to their dorms at the end of the day.

experience life without the things you take for granted, such as clean water, having shelter over your head [and] even technology."

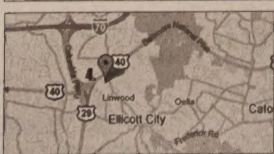
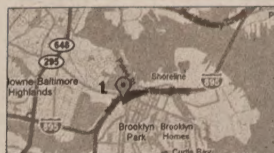
Participants lived outside

of their rooms for two days, with only the clothes on their backs, a few toiletries and their study materials. They could study and go to classes, but could only use

the computers in the library. These rules were set up to help the students understand what it is like to not have a home to go back to.

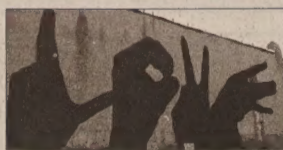
SEE \$2 DAY, PAGE A6

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“While the Italian justice system is, from this case at least, seemingly incompetent, it is not to say that there are no similar problems here in America.”

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HOPKINS vs. SWARTHMORE

FIELD HOCKEY

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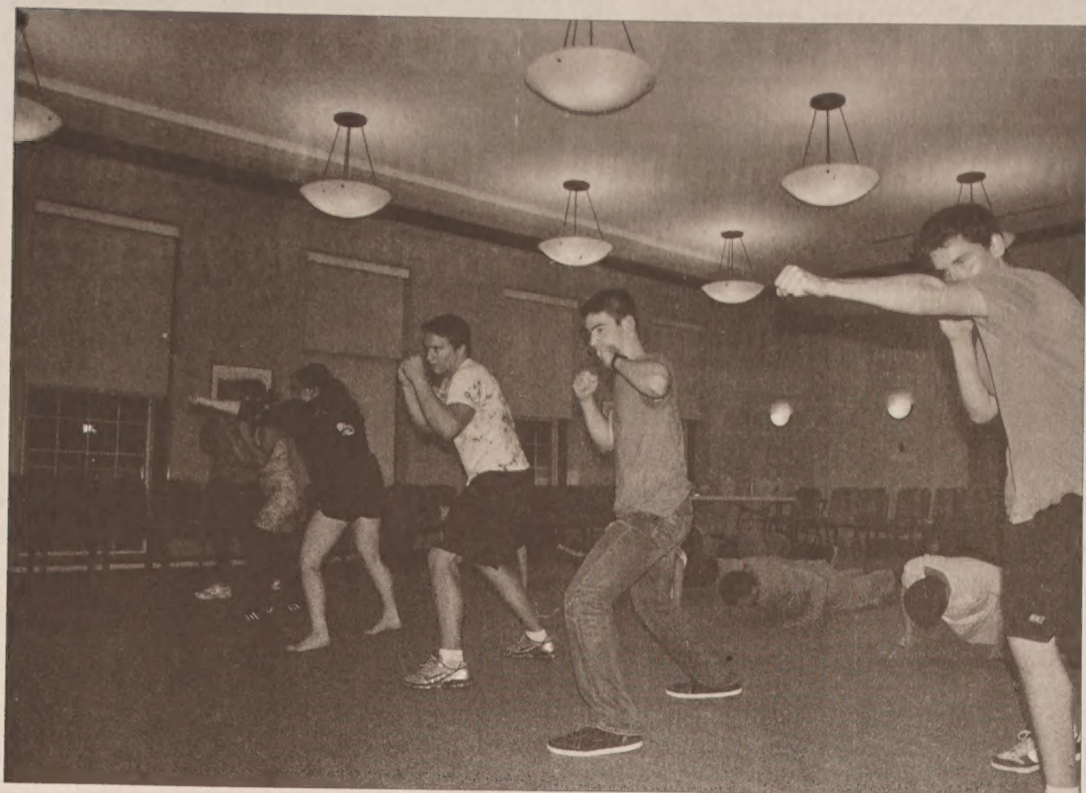
HOPKINS vs. FRANKLIN AND MARSHALL

VOLLEYBALL

3-0

HOPKINS vs. HOOD





A former Israeli combat soldier presented and taught the art of Krav Maga to Hopkins students on Tuesday, giving insight into army life.

# Krav maga lesson offers defense and history

By **ASHLEY EMERY**  
For *The News-Letter*

Nadav Weinberg, former combat soldier in the Israel Defense Force offered a presentation on the martial art of Krav Maga in the AMR I MPR room Tuesday.

Weinberg's instruction of Krav Maga was featured in the presentation to the 15 participants attending. He noted the prevalence of the martial art in the Israeli Defense force and offered insight into life in the army and in Israel, an important perspective that organizers valued.

"We decided to bring Weinberg to JHU so that we could learn directly from an Israeli about experiences in the Israel Defense Forces and about the ways in which lessons from situations as a soldier in a special forces unit can translate into society," senior Ali Cohen, President of the Coalition of Hopkins Activists for Israel, wrote in an e-mail to *The News-Letter*.

Krav Maga is the official martial art practiced in the Israeli Defense Force and is literally defined as hand-to-hand combat. Imrich "Imi" Lichtenfeld, who was a renowned boxer and wrestler, developed the style of combat in Slovakia amidst the oppression of the Nazis in World War II.

In 1936, Germany enacted the Nuremberg Laws and attacks against Jews became ubiquitous. Lichtenfeld and other Jews employed Krav Maga to defend themselves and others against attack.

Lichtenfeld relocated to Israel, and in 1948, when the state of Israel was established, he became the head instructor of Krav Maga for the Israeli Defense Force.

Lichtenfeld states the basic principle of Krav Maga: "Don't get hurt, be humble and conduct yourself properly (with dignity)—reach proficiency so you won't have to take lives.

"It's not the prettiest thing. It's not something that you want to mess around with your friends and do necessarily because it's a vicious martial art; it's how do I take the person [who attacks you] down as fast as possible," Weinberg said.

In order to acquaint the participants at the event to the severity and ferocity of Krav Maga and army training, Weinberg tossed the participants into this fast-paced, vicious game of physical chess; every move one makes to fend off an attack necessitates precision, strategy and foresight.

"It's basically counter-attacking as soon as pos-

sible. Our commanders like to teach us that your best defense is offense," Weinberg said. "You target people's pressure points: the genitals, the ears, the mouth, the throat, the nose."

Weinberg demonstrated multiple types of stances, punches and methods of defending oneself from attack.

"[Weinberg was] effective at breaking down the technique. He gave you individual attention in a class of fifteen. It was a lot of fun. It was informative, well-focused, and we got a good work-out at the end, mixing practice and aerobics," junior Alan Chancellor said.

The participants enjoyed the education they gained on self-defense and personal security. Though the most intense forms of Krav Maga are reserved for combat, skills and tactics can be integrated into knowledge of personal safety.

"He made sure to create a supportive environment where people weren't afraid to mess up or to look funny while they're attempting to punch when they haven't before. I feel definitely safe in my own skin now because I'm not about to go out and perform Krav Maga, but it's become a little more ingrained in my system," freshman Sophia Geron-Neubauer said.

In addition to the direction, Weinberg also provided cultural education and perspective on his time in Israel and in the army.

"I thought he was a very good speaker. Krav Maga is the mentality of 'attack, attack, attack.' It can be misunderstood sometimes, but I think he presented it very well. It's from the person who actually learned it [in the army]; it was a direct line of learning," Geron-Neubauer added.

Weinberg was born in Israel, but moved to the United States and grew up in Cleveland, Ohio. After attending Case Western University, he decided to return to Israel in November of 2008 to serve in the Israeli Defense Force, following the precedent his father set by serving as an officer. Weinberg served in the Orev Special Forces of the Nachal Brigade, a counter-terrorism unit.

Weinberg attributes a heightened sense of responsibility in Israeli teens in the army to the gravity of the duties that they must perform in the army.

"At 20 years old, I had to command 20 people into battle. We're going to arrest the terrorists tonight; I have to create how we're going to do it. I have to create where everyone is going to

be. And then once we're out there, it's my butt on the line. I've got to make sure everybody is safe," Weinberg said. "You lose your innocence; the Israelis lose part of their childhood."

Weinberg emphasized the impact that Krav Maga has on the soldiers and on the

mindset of Israelis. The fortitude, both physical and mental, fostered by Krav Maga translates into tenacity and motivation within Israeli teens after they complete their mandatory conscription.

Weinberg enumerated the many technological, economic and scientific accomplishments of Israelis, citing the practice of Krav Maga as a contributing factor to the successes.

"It's this mentality that Israelis create, this independence, that has led to the booming economy in Israel. It's this determination to never give up and to always work hard that also defines the principles of what Krav Maga is," Weinberg said.

The friendship with one's fellow soldiers was also highlighted in Weinberg's discussion, and he likened this connection to that which one might have within a fraternity or sorority.

"Nadav Weinberg portrays the fraternal connection that Israelis have to one another, which is exemplified by the network they create through their experiences in armed services," Cohen wrote.

"Before he became a soldier in the Israel Defense Forces, Nadav was raised in the US and was a member of a fraternity at Case Western University, which makes him relateable to college students."

The event was sponsored by The Coalition of Hopkins Activists for Israel, Israel on Campus Coalition of Greater Washington, American Jewish Committee, Hasbara Fellowships, StandWithUs, JHU Campus Safety and Security, and Hopkins Olympic Tae Kwon Do. Weinberg will also be speaking at Georgetown University, George Washington University, and George Mason University this fall in his tour of speaking to pro-Israel groups on college campuses.

## Financial economics minor grows in popularity

By **NATHANIEL MARK**  
For *The News-Letter*

The minor in Financial Economics is not like other minors at Hopkins. It isn't just a watered down major in a subject. Instead, it is uniquely focused on educating students on how to couple economic theory and financial practice.

Through the Center for Financial Economics, a finance department focused on producing cutting edge financial research, the minor is largely structured around extracurricular activities and research opportunities.

Hopkins alumni work closely with the Center for Financial Economics to ensure opportunities for Hopkins students to experience first hand the real-world workings of the financial sector.

Louis Maccini, a professor in the Hopkins Economics Department, who was pivotal in the creation of both the Center for Financial Economics and the subsequent minor, described how alumni who worked on Wall Street were the reason the minor occurred in the first place.

"I would meet alumni working in Wall Street. They would say they got an education in Economics [at Hopkins], but not in Finance," Maccini said.

As the Center for Financial Economics began to gain support within the university, it launched an intersession course named "Wall Street Today," a course over-viewing the current financial sector which included alumni presentations, networking and a three-day trip to New York City.

Within the newly created minor, students were able to reap the benefits of the Center's connections with Hopkins alumni on Wall Street to an even greater degree.

"Alumni who work on Wall Street participate in classes and one even teaches a course each spring," Maccini said. "Alumni play a big part [in the Financial Economics minor]."

Maccini commented that there are two ways the minor increases the competitiveness of students. The first is "what the minor does for student's resumes." Having knowledge that many do not learn until they go to business school is highly valuable to a student ap-

plying to a job in finance, and firms take notice.

The second increase in competitiveness comes from "what the minor does for the student's head." By giving students advance knowledge in the financial sector, they are able to go into interviews with a stronger knowledge of the field, which leads to more impressive first impressions and a greater chance of being hired.

Of course, just getting a job is not the only important thing you get out of an education. The minor also boasts of many extracurricular and educational programs which uniquely prepare its students for work in finance.

One example is the use of Bloomberg terminals, whose numbers have been increasing at Hopkins lately, largely as a result of the Center for Financial Economics. The minor uses them for training projects and hopes to integrate their use into courses.

"If you know how to use the tools, you will hit the ground running [once you're in the field]," Jon Faust, a professor in the Hopkins Economics Department, said.

To complete the minor, seven classes must be taken. Two are the Economic staples of Micro- and Macroeconomics, followed by Micro Theory and four upper-level classes related to finance through the economics department.

Since its inception, the minor has achieved significant success. Faust notes how "Financial Markets and Institution," an elective course for the minor, grew from about 70 students last year to 150 this year.

Furthermore, since the Center for Financial Economics and its minor have appeared, financial companies have shown up on campus with much more vigor.

"As we convince them we have a big enough group of smart and interesting people [financial firms will view Hopkins as a place to find potential employees]," Maccini said.

With its growing popularity and success in preparing students for careers, many students are starting to ask themselves whether they are ready to join the ranks of those interested in the role of finance in economic theory. And sometimes more importantly, if they can fit seven classes into their schedule.

## Baltimore City firebombings

Over the past few weeks, Baltimore has been plagued by a series of firebombings on various unconnected locations throughout the city. There seems to be no pattern to the attacks. Baltimore Police say that they are unsure whether or not the attacks have been carried out by one group. Below, *The News-Letter* maps out the attacks on the city.

1. 9/13/11  
3800 Blk Leadenhall St.  
Southern District

2. 9/19/11  
5600 Blk Haddon Ave.  
Northwest District

3. 9/22/11  
2200 Blk Park Ave.  
Central District

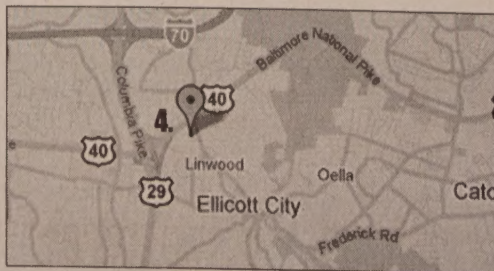
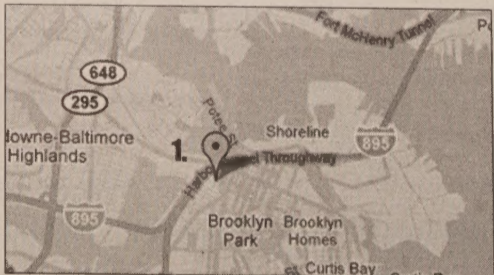
4. 9/22/11  
3200 Blk Rogers Ave.  
Northwest District

5. 9/23/11  
2700 Blk N. Longwood  
Northwest District

6. 9/25/11  
2400 Blk Loyola  
Northway  
Northern District

7. 9/27/11  
5300 Blk Wesley Ave.  
Northwest District

8. 9/2/11  
5300 Blk Wesley Ave.  
Northwest District



## NEWS &amp; FEATURES

# Student's photography of Kenya slum looks beyond smiling faces

By KATIE PROCHOWNIK  
For The News-Letter

It starts on a dirt road; traveling in a small van, bouncing in the back from side to side, as each push forward is interrupted by another deterring rut in the road.

In a way, the road is almost too perfect a metaphor for the lives of the thousands living in the slum of Kibera, one of the largest in Kenya.

Some may recognize it from the movie *The Constant Gardener*, but despite Hollywood's attempt for a realistic portrayal of the slum, the true reality can only be seen firsthand, traveling on the dirt road, waiting anxiously for tomorrow's unexpected gifts. For one Hopkins student, this account sounds all too familiar.

In Jan. 2010, Sandhira Wijayarathne's life took a turn the moment he stepped onto the plane to Africa. He wanted to help. So when the opportunity arose to travel to Kenya and develop a project of his own, he did not look back.

Wijayarathne, currently a senior at Hopkins, double majoring in Public Health and Sociology, decided to study abroad in Kenya last Spring for four months



COURTESY OF SANDHIRA WIJAYARATNE  
Wijayarathne, on right, shares laughs with children he met in Kenya. Many of the children would show excitement when Wijayarathne pulled out his camera to take photos.

to work in a refugee camp. That took a bunch of paper work and time. We had to develop backup plans in case we didn't get the camp," Wijayarathne said.

When Wijayarathne did not get the refugee camp project, he started to pan-

that Amino gave to each student and the amount of care she invested into her orphanage. But even with this love came a price.

"Amino provides free early education classes, one free meal program and social counseling

drift over the soft, dark faces of the children, their smiles locked behind their delicate mouths, their wide eyes smiling for them.

It is through these pictures and stories that the reader is driven into a tunnel of truth and frightening imagery of the Kibera's slum world.

Wijayarathne can remember their eyes, their faces. Even after he took the photographs, the images of the children remained implanted in his mind and in his heart.

"There were a couple kids that were my favorite. One was named Nicole," he said.

"At two years old, she was the youngest at the orphanage. She was abandoned by her parents and locked in her house. Regynah took her in."

After some time, the kids befriended Wijayarathne. In fact, they couldn't seem to get enough of him.

"They would literally climb over each other to touch me and see my camera," he said.

"Whenever I took the camera out, they would look at me and start screaming 'cheers' in unison and stick their thumbs up."

These stories were reasons enough to configure a book. But Wijayarathne wanted to put his own touch on it.

"I wanted to do a spin-off of poverty to benefit the people there. I like to think of it as how these kids are, I guess. They have real live futures, if we are willing to invest in them. They should be supported but shouldn't be pitied," he said, his voice steady and genuine.

Wijayarathne made it a point to utilize photography for reasons other than simply aesthetics.

"We all like looking at photos, but when westerners come, I feel like they take pictures for the hell of it," he remarked.

They don't see the humiliation of the people in the picture."

Wijayarathne is currently trying to fundraise for his book and raise awareness. He hopes to organize several exhibitions on campus to promote his book. But more importantly, Wijayarathne hopes to share his cause with the Hopkins community.

"We need to put ourselves in place of others and open up world issues," he said.

"With this book, I hope to provide some sort of insight that there are people on campus who do care. Since we are one university, we should support each

other in our efforts to shed light on other parts of the world."

It is difficult for Wijayarathne to put into words exactly how the trip impacted his life. He went to Africa in hopes of narrowing down what he wanted to do with his future.

"Instead, it broadened my view," he said, laughing a little.

"It was definitely self-enlightening. I learned more things about myself than I thought I could."

One of the questions that Wijayarathne raises in his book is: is it by choice or circumstance that we are born where we are?

When asked about this, he refers back to himself.

"I was born to a Sri Lankan immigrant. If my family decided to stay there, my life would have been drastically different," he said.

"Birth determines a lot of things. You can say 'you can be any person you want to be,' but that's not true when you are stuck in slum."

Perhaps what he says is true. But working with these children has provided Wijayarathne with a different kind of hope.

He has seen this hope in the eyes of every child — as we can see it in his photographs — we can see it in the faces of angels.



COURTESY OF SANDHIRA WIJAYARATNE

The faces of the children living in the slums of Kenya were moving, as Wijayarathne says, they are ingrained in his mind.

with the School for International Training.

"We did have some studying, and we did have projects, but for the most part our time was spent traveling and experiencing different things in the country," Wijayarathne said.

With the program, the students learned Swahili, attended house and community development seminars, as well as field of studies seminars, and designed their own field project.

March finally came around, and most students had a good idea of what their projects would be. But for Wijayarathne, the search for his project was just beginning.

Looking back, Wijayarathne recalls the nerves of those last days, and the helplessness he felt without a definite project in the works.

"I was literally freaking out," he recalled. "I was trying to figure out what to do. I knew that I wanted to do something with kids affected by the HIV/AIDS epidemic."

As the clock ticked down, Wijayarathne rushed to develop a worthwhile project.

"Initially, I was trying

ic. But his luck changed the day he stepped on the plane and sat beside the woman who would become his saving call.

"I talked to someone I met on the plane, and she put me in contact with one of her friends who ran an orphanage in Kenya for children affected by the HIV/AIDS epidemic called Angels of Hope," he recalled.

"The whole thing was fortuitous. This probably wouldn't have happened. But it ended up happening to me."

Wijayarathne found himself in Angels of Hope the last month of his stay in Kenya. He worked closely with Regynnah Awino, the headmaster and founder of the orphanage.

An angel herself, Awino started this organization when she was only 23 years old, initially taking in 40 children who either had HIV or AIDS or had relatives who were infected or died from the disease.

"All of them are affected somehow by HIV/AIDS," Wijayarathne said. "I use the term 'affected' because it's encompassing."

After working with her, Wijayarathne saw the love

for families, but she is raising the cost through her own pocket," Wijayarathne said.

Once Wijayarathne arrived at the orphanage, there were still several problems. The students were on vacation, and classes were not in session. He had originally thought about teaching at the school, but that option was quickly ruled out.

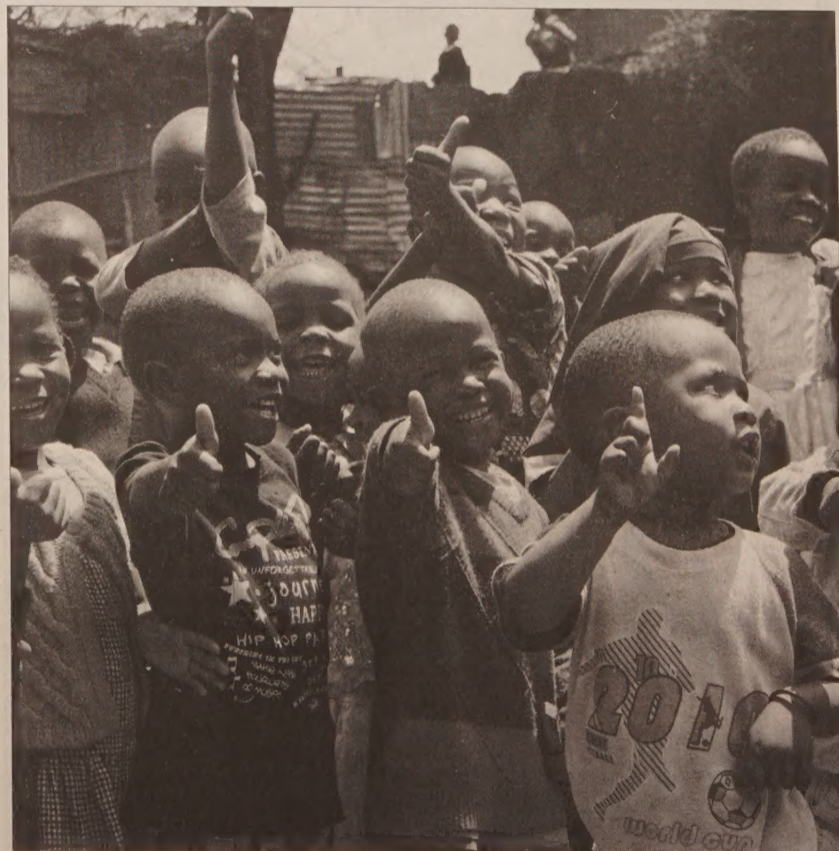
Instead, Wijayarathne started to think practically. How could he take what he experienced and share those vibrant and touching moments with others?

He knew that a picture said a thousand words.

"Since we are all fascinated with pictures, we might not understand completely, but we can gain some emotional output from them," he said. "I interviewed caretakers of parents and after the interviews, I took pictures of kids."

About a month after he returned, Wijayarathne started to compile the photos and interviews into a book.

Flipping through the pages of his book "Faces of Angels," one can experience the impact of a single photograph. Your eyes



COURTESY OF SANDHIRA WIJAYARATNE

Angels of Hope, a Kenyan orphanage for children affected by HIV and AIDS, inspired Wijayarathne's photography.

## NEWS &amp; FEATURES

## Group promotes education abroad

By DAVID WHITE  
For *The News-Letter*

The world is an unfair place. No-one recognizes that more than sophomore Richard Skelton, who was inspired by a Uganda summer trip to establish a chapter of Ugandan charity Building Tomorrow (BT) at Hopkins this past summer.

"BT at Hopkins just got started over this last summer; it was inspired by a trip I took to Uganda with a group of students from my high school which was organized by Building Tomorrow," Skelton wrote in an e-mail to *The News-Letter*. "I'd say the need for such an organization has always been there; there has always been a striking number of children in Uganda without access to at least a primary education. It's just a matter of when I realized that I should do something about it."

Building Tomorrow is an international organization that provides children in poorer countries the opportunity to gain access to better education—or education at all—when they would, otherwise, have few opportunities to gain academic knowledge.

The organization provides villages in Sub-Saharan Africa with the construction materials needed to build a BT academy in exchange for the volunteer services and land required for construction.

Each of these academies has enough room for over 300 students (grades one through seven), as well as facilities such as bathrooms and libraries.

The organization is currently focusing on Uganda.

Skelton notes that nearly 40 million students in Sub-Saharan Africa do not have access to a formal education, so BT academies are invaluable resources for the villages that BT serves.

"The club's purpose is to raise money and awareness for primary education in Sub-Saharan Africa. The more we can do to help, the better," Skelton wrote. "Our goal is to build a school for 400 students, which won't fix the entire continent immediately. One school at a time, I suppose."

BT was founded in 2004 when George Srour, the project's Executive Director, returned to the College of William and Mary from Uganda; Srour recognized the need for better education in the country and had a solution in the works. By December of that year, the college raised about \$45,000, which was enough to construct a new school in Kampla, Uganda, and laid the groundwork for Building Tomorrow.

Currently, nearly 20 colleges that have BT chapters on their campus, such as Duke University, Davidson College, Notre Dame and Wake Forest University.

Some programs that have been implemented in BT chapters nationwide include Bike to Uganda, where students ride a stationary bike a distance equivalent from their college campus to Uganda, and Sit for Good, where students spread awareness of the lifestyle in the villages BT aids by sitting on the floor during their classes for a day.

These events have raised over \$55,000 all across the country. BT also offers service trips to Uganda, which allow students to work first hand with poverty.

Literally any little bit helps, and there is definitely a lot that needs to be helped.

—RICHARD SKELTON,  
SOPHOMORE

As a new organization on the Homewood campus, BT is making progress to contribute both to Sub-Saharan Africa and the Hopkins community. With a couple of Breeze-way events and more plans for the future, BT at Hopkins has already raised some money for the cause and insists that it is not too late to join the effort.

"So far we have been pretty successful as a fledgling organization," Skelton wrote. "Our goal is to have a lot of fun things going on soon! Literally any little bit helps, and there is definitely a lot that needs to be helped."

For more information on Building Tomorrow, email [jhu@buildingtomorrow.org](mailto:jhu@buildingtomorrow.org) and visit the group's Facebook page.



## BUILDING TOMORROW

COURTESY OF COMMERCIALARTISAN.COM

Building Tomorrow focuses on aiding Sub-Saharan Africa. It is currently working to build schools in Uganda.

## Uganda: A student's perspective

Building Tomorrow brings a Hopkins student to Uganda

By CARTER BANKER  
For *The News-Letter*

The *News-Letter* sat down with sophomore Richard Skelton to discuss his recent summer trip to Uganda through the international nonprofit organization, Building Tomorrow.

The *News-Letter* (NL): So Alex, tell me all about your trip. Where did you go, what did you see, what did you do?

Ryan Skelton (RS): This past summer, I went to Uganda on a trip with an organization called Building Tomorrow to help build a school in a village called Kyeitabya, which is 50 miles west of the capital city, Kampala. I stayed in Kampala for a couple of nights.

The city itself is hard to describe — everyone seems to have their own way of doing things. One perfect example that comes to mind is the traffic cops, who don't use radar guns to determine whether or not someone is speeding, they just eyeball it!

There are also many visible remnants (mainly buildings) from the brutal dictatorship of Idi Amin, who ruled from 1971 through 1979, during which time he carried out mass killings of his own citizens, murdering an estimated 300,000 of them. You may recognize his name from the movie *The Last King of Scotland*. The buildings that are left are a constant reminder of the money he spent while his people starved.

Anyway, after a couple of nights I went on to the

village called Kyeitabya, where I spent the majority of my time. Here, I did a home stay, as did the rest of the group I traveled with to Uganda. It was one of the better homes in the village, and it was right near the site so I feel like I lucked out. We would walk to the school site, which was about a half a mile away, every morning at 6:30, work until noon, then go inside to escape the afternoon sun. Then, we would go back out to work from 2:00 until 6:00 when the sun went down for the evening. The work varied from digging trenches to cutting down trees with machetes to laying the cement for the floor.

There was a small solar power cell that all of the villagers used to charge their cell phones, equipment, etc. But, effectively, we did not have access to electricity during our time in the village.

NL: Were you still able to enjoy yourself in the village even without electricity? What did you do with your free time?

RS: My time in the village was great. I got to work alongside many of the Ugandans who would soon be going to the school, or would have children going to the school. During our breaks from working, many of the kids would come to us and play games. We taught them classics like "Down by the Banks," "Duck Duck Goose" and "Simon Says." We would go on walks with the villagers through the area after we were done working, and we were able to see some re-

ally beautiful scenery.

NL: But what was it like to be in and amongst such extreme poverty?

RS: It was devastating to see so many children and adults with swollen stomachs, infected wounds and injuries that would never heal properly. But sometimes, we forget that there are a lot of beautiful things too, and I wanted to focus on those. Sure, most of the people don't have access to health care, clean water or education (yet!), but they still live lives that are more fulfilling than those of many people who have all of those things. They wake up each morning and overlook a valley that is undisturbed by skyscrapers or highways.

The village was like one big family; everyone was very friendly to each other, and they seemed to genuinely care about the well-being of everyone around them.

NL: Now that you are back in the U.S., how do you think this experience in Uganda has affected you?

RS: Looking back on the trip, I can definitely say that my experience in Kyeitabya was one of the most meaningful experiences that I have ever had. When people live in these types of conditions, yet they still strive to move forward and be better at whatever it is they do, it really makes you believe in the effervescence of the human spirit.

For more information on the international branch of Building Tomorrow, visit [www.buildingtomorrow.org](http://www.buildingtomorrow.org).

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City Paper Readers Poll, 2008

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City Paper Readers Poll, 2008

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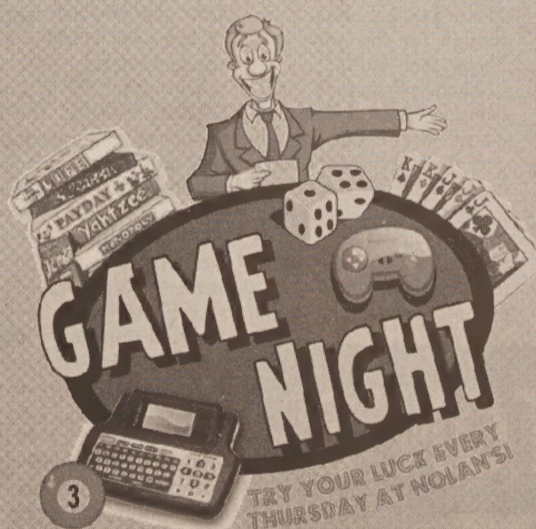
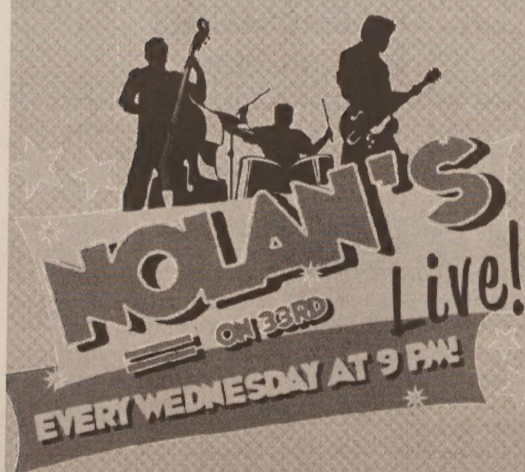
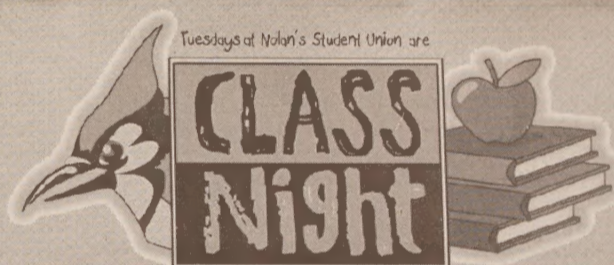
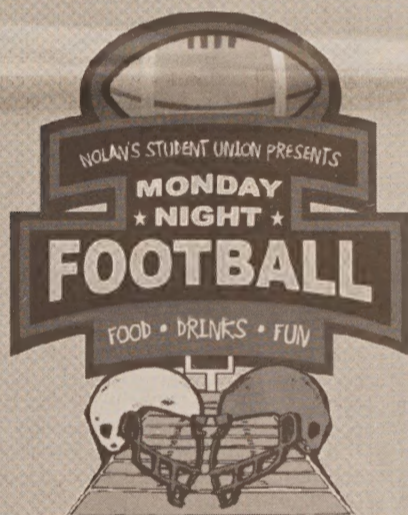


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## NEWS &amp; FEATURES

## Students get a taste of homelessness during \$2 a day challenge

\$2 DAY, FROM A1

"You are required to be mobile with your items and learn the risks, anxieties, [and] emotions and deal with day-to-day issues, such as protecting your stuff," Jiang said. "It requires a lot of discomfort and stepping outside [of] your box, especially because ... students [had] classes on Friday."

WPHLS decided to bring the \$2/Day Challenge to Hopkins because they wanted people to try to have an understanding of what homeless people go through every day, especially in Baltimore City.

"Hopkins students tend to live in a bubble, so [they're] not aware of the issues that face our community," senior Anita Ram, WPHLS Co-President, said. "Even on St. Paul Street, there are homeless people, and a lot of students don't treat them well and have a negative impression of them. There's so much going on outside our Hopkins bubble that it's very important to bring that onto our campus."

However, as this was an experiment, it was not meant to identically recreate the experience of being homeless.

"The bottom line is that we understand that we are not homeless," Jiang said.

25 people originally signed up for the challenge, which was 10 more than the WPHLS's goal was. However, due to midterms and Rosh Hashanah, only about 15 slept over the first night, and 7 to 10 people the second night. Students generally signed up because they wanted to learn more about the issue of poverty.

"[I signed up] to step into the shoes of those who are homeless in a very small scale, because only two days isn't going to be enough to feel hunger, or to be dirty ... now I'll be able to understand some of the hardships," freshman Craig Hennessey said.

Freshman Hannah Zimmerman also wanted to try to experience what being homeless was like.

"One of my really good friends in middle school was homeless, so I was like, 'That's horrible,'" she said. "I saw this petite opportunity to see how she kind of lived, even though this is not at all what it was like for her. This is a little glimpse into what her life used to be like."

Because this was a University-sanctioned event, Jiang and Ram, along with Co-Programming chair sophomore Cindy Zhang, had to work out the details far in advance to ensure that the participants were safe.

"The event is not in-

tended to mimic homelessness," Zhang said. "Obviously, we're in a safe area [and] there's going to be a security guard there."

The group originally planned to spend both nights outdoors, but university policy prevented it from happening.

"There's kind of been a conflict between the mission of our social experiment and school policy," Ram said.

WPHLS initially wanted to spend a night on the Beach, but modified their plan to spending one night in Levering Hall and one on the Freshman Quad.

"We do not allow overnight events on the Beach for safety reasons," Events and Scheduling Coordinator Patricia Forster wrote in an email to The News-Letter. "The Beach is on the perimeter of the campus and too close to the public streets."

However, Jiang felt that the school was very helpful.

"The Office of Student Life in general [has] been very supportive and have understood where we're coming from," she said. "They wanted to make sure that the students [were] protected in certain ways. We were able to work with them."

The challenge started off last Thursday night with speaker Jackie Robarge, Executive Director of Power Inside, a non-profit group that works to empower commercial sex workers by providing opportunities for them. Robarge spoke to the \$2/Day Challenge participants about a project that she is working on at a new homeless shelter that does not have sufficient capacity to serve all the local homeless people.

"She gave us a real, tangible feeling of what homelessness is," Ram said.

Robarge also spoke about how important it is to make the homeless feel as if they are human beings, even by doing something as simple as handing out hot chocolate.

"[She spoke about] how much of a difference it made because they felt like they were being treated as an individual, instead of being generalized as homeless," Jiang said.

The participants, though they were not actually starving, appreciated small gestures as well. When someone walked up to them and gave them food, they truly appreciated it.

"I have never been happier to get a banana," Jiang said. "To get that bit of [someone's] time and feel like a human, you realize how easy it is to be generalized."

They also realized that it would be much harder for an actual person living on the street to solicit food.

"If we begged here for food, we're not starving. Hopkins kids begging Hopkins kids are going to give money or food more willingly than if I was out on the street looking ragged," Hennessey said. "Out on the street, it's so much easier to be discriminated against because, suddenly, I'm a hobo, not a Hopkins kid doing some event."

Freshman Katie Silva agreed that it would be much more difficult to decide how to assist a homeless person, as people in cities are usually told to keep walking.

"The whole sympathy thing is really hard ... I lived in Brazil for 15 years [and] when you walked downtown there were people in blankets, they would come up to you and ask for money," she said. "You'd see some people block them out, they wouldn't exist anymore. I would always try to think, 'How can they not see them?'"

Because the participants had to carry their backpacks and blankets around with them, they received some stares from other students. Some also felt a sense of isolation as they had nowhere to go.

"One of the things that was unexpected was the whole feeling of alienation. My classes ended and I was walking outside, thinking to myself, 'Where am I going to go, what am I going to do,'" Silva said. "I'm on this beautiful campus, and I have so many opportunities, but a true homeless person ... I couldn't imagine what it would be like if I just walked onto the street. It's a really scary thought and I had a glimpse of that when I walked out of my classroom."

The participants also generally did not expect to feel judged by other students, which made them wonder what the homeless actually feel like. "I never thought about how homeless people have these social implications. People judge them because of their state of appearance, the fact that they have all their things with them," Zimmerman said. "I can now see how society looks towards homeless people in a negative manner, even though for the most part it's not their fault."

Each participant contributed five dollars towards the event, which was pooled towards their food for the two days.

They also realized how difficult it actually is to live on two dollars a day, though their money was put into a communal pool,



CAROLYN HAN/PHOTOGRAPHY EDITOR

Challenge participants listen to speaker Dr. John Dalton discuss his optimism about the homeless population.

which made it easier to buy food in bulk, such as beans and rice. Many participants were still hungry after each meal, but they were allowed to panhandle other students for food.

They slept on the floor of the Sherwood room in Levering on Thursday night. Some even tried to fully experience the homeless life by keeping very close track of their possessions. "I tried to sleep with my arms looped through my backpack, and used the other bag as my pillow," Hennessey said. "There was a point in the night where, if I let go of it and if I was in a shelter, my backpack would be gone."

On Friday night, Dr. John Dalton of the Baltimore Rescue Mission Clinic spoke to the group. He had a very optimistic view of homelessness, as he told the group that it is possible for a homeless person to

find a talent and succeed. He divided the world into "haves" and "have-nots," saying that one can be homeless and still be a "have."

"He was very different from Jackie. He has a lot of involvement with the homeless population, and he's a doctor, so he was able to focus on medical aspects. He stood back and took a world view of things," Ram said. "I'm not 100 percent sure how many people agreed with it."

Jiang realized just how hard it would be for the homeless to look for jobs, as she couldn't even find time during the experiment to focus on her studies.

"You spend so much energy keeping warm, that I couldn't even put my mind to studying," she said.

They spent the night outside, and even though it was cold, Jiang felt as if the soil was more comfortable than the hard floor in Le-

vering. Due to the weather though, some students did break the rules and go back to their dorms for more blankets. At the reflection session the next day, the participants were asked, if any of them had completely followed the rules, and no one raised their hand.

"We were trying our hardest, but, in general, it was difficult," Ram said.

The WPHLS considered the event to be a success. If they did it again next year, they would like to get different groups on campus involved as well. They would also want to encourage for people to sleep over both nights next time.

"You get tired, your body feels different, it's a challenge," Jiang said. "No matter how mentally, physically, and emotionally challenging this is, just stick with it, because that second night really put the message through for me."

## Sexual assault generates discussion

ASSAULT, FROM A1

The suspect was described in the Hopkins security report as being a 20 to 30 year-old black male. He was wearing a navy blue and black hooded sweatshirt at the time of the attack and the direction of his departure is unknown.

Monica Alston, the Baltimore Police Sex Crimes Unit detective in charge of the case, could not be reached for comment.

Campus Safety and Security stressed the importance of preventative precautions in both their JHBroadcast and subsequent Security Report.

The department's recommended safety measures include staying in well-lit and well-traveled areas, avoiding shortcuts, traveling in pairs or groups and staying aware at all times.

Baltimore City Police reported that there have been two other sexual assaults (both rapes) in the Charles Village area over the last two years. One occurred on the 2900 block of North Charles, and the other on the 500 block of West University.

Baltimore Police noted that in those incidents the victims (both female) were acquainted with their assailants, while in the case of the recent assault, the attacker was a stranger.

"Stranger assaults like the one that happened on Saturday are the rarest sort," Linda Song, Co-President of the Hopkins Sexual Assault Response Unit (SARU), wrote in an e-mail.

"There's a difference when it comes to reporting stranger sexual assaults. Most people know that, yes, stranger assaults are terrible things and yes, it is

rape/assault.

But unfortunately, when it comes to the more common cases of acquaintance assault, people's perceptions get a little more blurry."

For some students and groups, such as SARU, the incident and its treatment

standing

concerns

about victim-blaming

and

negatives

stigmas associated

with reporting

rape or

assault.

Both

SARU and

the Hopkins

Feminist Alliance

felt that

the JHBroadcast

inadvertently

engaged in victim-

blaming by focusing

so much attention

on preventative

measures.

"The problem with the

e-mail was that it does

not mention that this

could happen again,

that the perpetrator

could be a Hopkins

student," Tom Smith,

Co-President of the

Feminist Alliance, said.

"The e-mail never gave

any indication that this

is a problem in our

school, because it's a

problem everywhere."

Song noted that focus-

ing only on how people

can protect themselves

inevitably leads to

discussion about what

victims could have

done differently to

avoid being attacked.

"That's not right and it's

not fair. There are

should have in this

situation that don't

even involve the

victim's decisions ...

Instead of thinking

about how students

should protect

themselves, it's

more relevant to

think about how

students and the

community can protect each other."

Smith added that societal change starts with personal standards.

"One of the most major things is dismantling rape culture, that our society can make jokes about raping people ... that rap-

ists aren't

punished,

rape victims

aren't be-

lieved.

It's some-

thing you

have to in-

corporate

into your

everyday

life and

you check

people

around

you ... it's

a built from

the bottom

up kind of

attitude."

Both organizations are working to increase awareness on campus about how to securely report sexual assaults.

In addition to speaking with peer counselors at SARU, Song added that students can report rape or assault through the Counseling Center, Dean of Student Life and new Sexual Violence Response Coordinator (a victim advocate in the Office of Student Life).

"I hope the student from this weekend knows that this isn't her fault," Song wrote.

"I think that it's important for her and other victims to know that this isn't their fault. And I think that it's important for peers, the community, and the University to know that it isn't their fault and to show compassion and support to affected students ... What is assault? What is consent? These are all important questions that need to be addressed."

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NEWS & FEATURES

Freshmen members elected to SGA

SGA ELECTIONS, FROM A1  
I also realize that this position carries a lot of responsibility, and I am willing to work hard for the benefit of my class and of our university."

As representatives, the main focus of the freshman SGA members is to be a voice and advocate for their fellow classmates.

"Although I do have some ideas in mind, I like to think of myself as an open canvas, waiting for my peers to paint the picture they would like to see," Malcolm said. The SGA executive board recognizes the energy of the freshman class and is optimistic about the rest of the school year.

"The freshman representatives are very enthusiastic and excited right from the get go. They are excited to start getting involved," Mendoza said. "President Joshua Goodstein has been very involved right from the beginning, getting his freshman class representatives to meet early."

However, the SGA meeting incorporated more than just welcoming the new freshman members.

After initial roll call, budget discussion and introductions of the newcom-

ers to the group, the reports and introductions from the various commissions got underway at this past Tuesday's SGA meeting.

The Academic Affairs Committee explained that they are in charge of improving the academic experience of students, and since academics can be rigorous, making the logistics surrounding them easier can help improve a student's experience. They handle things such as Reading Period violations, complaints from students, such as professors scheduling classes out of the allotted times, and making ISIS more user friendly.

This week, the Academic Affairs Committee is preparing to meet with Dean of Enrollment and Academic Services, William Conley, about extending the add/drop deadline and individualizing it so the deadline is specific to different classes. They are also continuing to improve

course evaluations.

The Student Services Committee described themselves as those who fill the needs that administration can't or won't provide. This week they are meeting with Dean Boswell to discuss the centralization of different web services.

They report that the Taxi Share Program is well underway.

Luke Sand discussed the events for Seniors taking place, from Laser Tag at the Mattin

I like to think of myself as an open canvas, waiting for my peers to paint the picture they would like to see.

— MAHZI MALCOM, FRESHMAN SENATOR

Center during the weekend, to Nolan's Pub Night that was previously cancelled due to the hurricane and various other activities taking place for the Class of 2012.

The SGA also wanted to remind all students to fill out the survey for Housing in Dining. One in twenty who fill out the survey will win a \$20 Gift Card for a Charles Village business.



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Free Fall Baltimore encourages city dwellers to explore and participate in the local cultural landscape.

Free Fall brings culture to B'more

FREE FALL, FROM A1  
the many and varied cultural assets that are available in Baltimore, introducing new audiences to the various organizations participating. It also helps the organizations with audience development and allows them to participate in our extensive advertising campaign."

Free Fall Baltimore features much variety in its programming. Aside from free admission to many local museums and theatre productions and backstage looks at local cultural centers, studios and theatres, there are also many classes and workshops — with topics ranging from stilt walking, dance, guitar playing and ceramics — that let participants get hands-on with unique artistic pursuits.

These are the events that positively shape attendees experiences at Free Fall Baltimore.

"I love the feedback from people who have had great experiences attending Free Fall Baltimore events," Vega wrote.

The event calendar for Free Fall Baltimore is 13 pages long. With nearly 20 programs on each page, BOPA packs each day of

October with a new event. New to the event programming is the Black Male Identity Project, an art project that aims to express and celebrate what it means to be a black man or boy, and Literary Arts Week, a literary arts celebration spearheaded by the Maryland State Arts Council, the Greater Baltimore Cultural Alliance and the CityLit Project.

"There are many great reading series and literary events in Baltimore, and we wanted to put as many as we could in one week to highlight the diversity and depth of literary events that happen in the region," J. Buck Jabaily, Executive Director of the Greater Baltimore Cultural Alliance, wrote in an e-mail to The News-Letter.

"Literary artists and literary audiences can be often isolated since it is often an art form consumed and created in solitude. Literary Arts Week is a way to bring literary creators and consumers together."

Literary Arts Week brings substantial diversity into Free Fall Baltimore's agenda with events such as the "BaltiVORE Plays," a reading of seven short plays that have to relate

to Baltimore foods; "Why Read Moby Dick?" a talk with Pulitzer Prize Finalist Nathaniel Philbrick about why readers should not be intimidated by Herman Melville; and a public discussion with journalists Greg Myre and Jennifer Griffin about their book on the Israeli-Palestinian Conflict.

"Everything has a focus on literary arts. The great thing is the diversity," Jabaily wrote.

Overall, BOPA wishes to attract Baltimoreans into unfamiliar territory and hopes that they enjoy it.

"The [official] Free Fall Baltimore message is 'During October, you get to try something new and hopefully come back for more!'" Vega wrote.

Organizers and participants alike agree that Free Fall Baltimore is an eye-opening experience that opens many doors.

"That Baltimore has a vast and vibrant cultural community, and if you choose to look at even one slice of it — such as Literary Arts — you'll find a constellation of events and activities," Jabaily wrote.

Free Fall Baltimore officially began on Oct. 1 and concludes on Oct. 31.

CORRECTIONS

In the Sept. 29 issue, in the article titled, "Security reacts positively to Clery Report" on page A2, the Assistant Director of Campus Safety and Security was referred to as Thomas L. Stipes. His name is actually spelled Thomas L. Sipes.

Also, on page A4, the piece titled, "Forging relationships outside of the bubble" Zachary Athing was referred to as the Director of the Jail Tutorial's Mental Health Program. He is in fact the director of the Men's Substance Abuse Program.

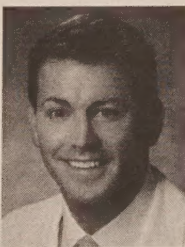
In the same issue, the article "Mahey fills big shoes as football halts Mules," on page B12, references sophomore Robbie Mahey. This is incorrect. His name is actually Robbie Matey.

The News-Letter regrets these errors.

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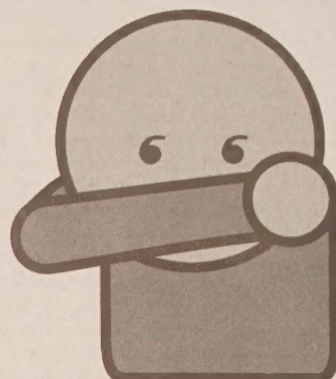
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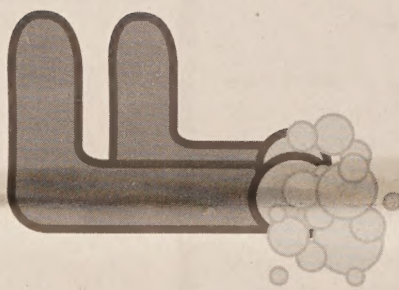
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COLUMNS

From flirtatiouship to relationship

Looking for a relationship? Start with a flirtatiouship. You don't see many couples around campus at Hopkins, but they're out there. They may be holding hands on the breezeway or sipping coffee outside Café Q, but when you do see a pair of love birds, you may find yourself asking the question, "Why them and not me?"

Those lucky few that are in loving relationships have managed to transcend the barrier of social ineptness that plagues our students and master the art of flirting. Impossible as it may seem, a few tactics put into practice here and there can help turn hopeless Hopkins homely into an irresistibly flirtatious heartbreaker.

Go to an on-campus event (that you like). Contrary to popular

you had for breakfast that morning and then getting upset when he doesn't respond is making you look like a psycho with separation anxiety. He's not a blog, so don't be making entries.

Step it up (both of you). We've heard it all before. Jane likes Johnny, Johnny likes Jane, but both parties are too damn shy to do anything about it! Show interest in your crush, and you might find that you like their response. Confidence is one of the most attractive qualities in any man or woman, and truth be told, this isn't going anywhere if you don't take it there. So haul some ass and chat with the cute guy that sits next to you in Bio, or ask the pretty girl in your circle of friends for her number.

In the middle of a conversation, smile and compliment him or her on some physical attribute. It could

Rahel Gebreyesus  
Guest Relationship Columnist

belief, you're not going to meet them in the basement of Pike. And, why would you want to? If you're complaining about not meeting the right people, try changing the scene up a little bit. Go to events that have something to do with your interests, like a football game or a fall concert. This not only gives you the opportunity to meet a cool guy or girl, but it also gives you something in common that you can easily have a conversation about.

This is not to say good things don't happen, but most late-night encounters in basement parties have a different kind of happy ending. So go and have fun, just don't expect your hook-up to take you out to Miss Shirley's for brunch the next day.

Join a new club. Whether it pertains to your hobbies or is something new you want to try, clubs on campus give you a great opportunity to meet new people and pursue your interests simultaneously.

Be a strategic texter. If you're going to text her, fellas, don't wait until eleven o'clock on a Friday night. What does this look like? No romantic endeavors here, just a pretty blatant booty call. I know, I know: The objective is to get her out and about so you can meet up and have a real conversation (as opposed to one via text). A little finesse wouldn't hurt, though. Shoot her a text around four or five and invite her to pre-game with a few friends. She'll be impressed enough that you don't expect her to come to your beck and call that she might even ditch her gal pals and join you.

Ladies, if you don't have something of significance to say, don't say anything at all. Texting him to say what

be something as cheesy as "You have nice eyes," or "It's cute how your hair curls at the end." Whatever it is, the fact that you were even gutsy enough to outright say it will grab their attention instantly.

Take care of yourself. Aforementioned confidence comes with the territory of feeling good about ourselves, and we tend to feel good about ourselves when we look presentable. Try wearing something that enhances what you already have. If your legs are long and shapely, wear a nice skirt that shows them off. If your eyes are your best feature, throw on some mascara to make them stand out on your face.

Make sure you feel comfortable with what you wear. Insecurity shows big time, and it's not cute. So, wax that moustache and file those nails, but don't overdo it; caked layers of foundation makes you look like Ronald McDonald and too much axe just smells like donkey ass. Decide what you like most about your body and play it up. Guys, wear clothes that fit your frame and broaden your shoulders. Girls, add a little eye makeup or lips gloss. But be careful; no matter how much of it you wear, makeup can't make you pretty. Embrace what you have and rock it. Confidence breeds respect and admiration.

Do not act aloof and disinterested. This is counter-effective. Many women these days think the key to snatching a guy is to act "hard to get" and "mysterious." Words of wisdom, ladies: If he thinks he can't get you, he's most likely not going to try. It's a simple cost-benefit analysis. Why spend time and en-

ergy trying for a girl who's ultimately unattainable? And guys, unfortunately, the mentality that "girls love assholes" permeates our society, but allow that particular expression to be amended: "unrespectable girls love assholes." Honorable women don't take that crap. Enough said.

Smile. When you see the person you're into walking down St. Paul St., look straight into his or her eyes (make sure he/she notices you looking) for a moment, look away, and then smile. A smile is friendly. A smile is approachable. Try looking at yourself in the mirror and thinking about licking chocolate off of your crush's naked body. Notice the slight smolder in your eyes? Look at them that way.

Don't underestimate the importance of body language. There are little things you can do that look like perfectly natural gestures to attract the opposite sex. Ladies, give your neck some exposure and stand with your feet no more than six inches apart with your toes pointed slightly inward. This vulnerable position brings out the macho, protective side in men and makes you look easily approachable. Men should stand with their chest out and shoulders back, facing towards their intended. This gives the appearance of a bigger, stronger guy, and reinforces a woman's subconscious desire to be protected. Starting to sound a bit primal? It should. Girls, flip your hair to one side and stroke the side of your neck ever so lightly. Guys, stare at a particularly soft-looking spot on her neck like you want to give it some serious vampire action. That last bit alone may get you a date. If your name is Edward, you'll get as many dates as you want.

Real women want real men, and vice versa. He's not watching Breaking Dawn and she's not making you a sandwich. End of story. You should never settle for someone, but there's a fine line between settling and mak a rational, mature decision to accept someone for who they are, flaws and all. Women often live a nitpicky romantic life full of "I like this and this about him, but I'm going to change that and that." You can't change him, and you shouldn't be willing to accommodate yourself for his sake either.

Guys, pursue a female, not the option of female companionship. This isn't the men's department of Macy's; you can't try women out like they have price tags stapled to their backs. If you're going to go for it, stick with your decision or forever be an indecisive coward. If you're secure enough to know what you want, use your newfound power and start flirting. And remember, happiness is just a flirtatiouship away.



COURTESY OF WWW.WBUR.COM  
Marathon running utilizes Type I muscles which are linked to aerobic activity and long-term motion.

Fighting fat with muscle mass

When it comes to your relationship with the gym, a funny thing happens. At least from personal experience, when I'm feeling lazy, I continue to feel lazy. When I'm on a roll with my exercise and lean foods, I continue that rate of consistent training and diet. In other words, fat begets fat and fit begets fit.

Why does this happen? Why is it rare to see someone who was once overweight become the idol of the weight room and why is it almost impossible to beat that person who already is the idol of the weight room?

Before we can answer these questions, let's take a closer look at muscles.

There are three types of muscles in your body: cardiac, smooth and skeletal. Skeletal muscles are involved with voluntary movements and thus the ones we are concerned about when we exercise. Skeletal muscles also have two subtypes.

Type I are slow-twitch muscle that functions in low-intensity repetitive motion such as marathons. Type II are fast-twitch muscle that deals with high-intensity explosive movements such as sprinting or weight lifting.

Type I muscle functions are linked to aerobic exercises where the blood consistently delivers enough oxygen to the muscles and can sustain the same form of movement for extended periods of time. On the other hand, Type II muscle functions involve anaerobic exercises based that require more oxygen than the blood can deliver and thus can only be sustained for short bursts.

In our struggle to fight fat cells and create a more sculpted look, muscles are our friends. Muscles burn fat for energy and, while building muscles is no easy endeavor, having muscles is even better. Muscle boosts metabolism and revs sex drive.

Muscle also keeps aging at bay and protects against heart disease, back pain, arthritis and depression. The benefits of having

functional and moderately-developed muscles can pledge a myriad health benefits.

In contrast, fat cells are just not welcome. Our BMR, or how many calories we burn by doing nothing, is determined by factors such as age, sex, height, genes and the ratio of fat-to-muscle cells. The larger the percentage of your mass that is fat, the slower your metabolism will be.

Fat burns barely any calories and doesn't need a high metabolic level to exist. To support one pound of fat per day, you need about two calories. To support the same weight of muscle, you need three times as much energy. On top of this, the more fat you accumulate, the harder it will be to lose "bad weight" because each additional gram of fat you have slows down your me-

a low fat-to-muscle ratio allows them to burn a higher percentage of food and stored fats, keep a chiseled physique and sustain a heightened metabolism.

The reason it's always hard to beat out the hulk of the gym is because, at that high level, his body is functioning more efficiently than a normal person's. Having more muscle, allows your body to better use the nutrients it consumes.

During a lifting session, muscles burn fat, carbs and protein to produce the movement we need to pick up weights. After a lifting session, the fuel that muscles use to contract depletes. This fuel is called Glycogen and is stored in muscle cells.

Any intake of carbs after lifting will be used to replace that Glycogen and will

once again be stored in muscle, not fat cells. If the workout is intense enough and you find yourself breathing heavy from some post-weight-lifting running, then fat burning becomes even better. At this stage, your body is desperate for fuel to keep your heart rate up and your nutrient consumption high. Since the food you just ate has been taken up by muscle cells, your body turns to fat cells for energy and voila, there goes a layer off your stomach.

If you can get started, the exercises will become easier as your body learns to more efficiently channel nutrients, and the results will be more and more noticeable.

That's why people with the mindset to continue working out stay ahead of everyone else. They've not only trained their mind to force them into a routine, but their body has now literally become a lean machine by shredding fat and replacing nutrients in the most economical way possible.

So is the point to give up because you'll never be as good as the guy everyone talks about in the gym? Obviously not. Your inspiration is standing right next to you.

Yang Bai  
Guest Fitness Column

How to make your own bread: A time-consuming yet healthy alternative

Here's a great recipe for honey wheat bread. I can't see myself doing this often, making your own bread is a great experience. For one, it's interesting to realize how much work it takes to make something as seemingly simple as a loaf of bread. Secondly, fresh bread is great; so much better than your normal store bought bread. Eating a slice of bread fresh and hot out of the oven is just too good!

This is my friend's family recipe. My friend's mom, Betsy, taught us how to bake bread, and this recipe has been passed down through generations from

mother to daughter. Now I'm passing it on to you, so use it well!

Ingredients:  
2 1/2 cups hot water  
4 cups whole wheat flour  
1/2 cup oil  
1/3 cup honey  
1 envelope yeast  
1 tablespoon salt  
1 cup white flour  
1 1/3 cup whole wheat flour

We made this bread in the most traditional way possible. The first thing we did was to grind the wheat. Yes, we ground our own wheat. Betsy has a grinder that we filled with grains that she buys. It is an electric grinder, though, so all we had to do was fill up

the grinder and then let the grains pass through and come out as wheat! However, this grinder can also be used manually if you really want to prepare the bread in an extremely old-fashioned. Fresh wheat makes the bread taste better, and it is probably more nutritious and hearty. However, I can't imagine many students would follow this step, even if they were ambitious enough to make bread. So, here's the rest of the recipe once you have either ground or bought wheat.

Mix the yeast, flour and white flour (Make sure the yeast is fresh because it can die and your bread won't rise).

Add the honey, hot water, salt and oil into the bread maker, then add the flour mixture.  
Mix the dough in the bread maker on high for five minutes.

Allison Borko  
Guest Fitness Column

A bread maker is essentially a mixer specialized for bread. A normal electric mixer works well too, but this one is stronger and can mix the bread even faster.  
Once the bread is mixed, knead the dough for around 10 minutes  
Kneading is an impor-

tant step because it stretches the dough, develops the gluten and helps even out the consistency of the bread. The trick to kneading is to fold and push the dough over and over in a consistent pattern. Knead the dough for a few minutes until the bread has loosened up and has an even and light consistency. It is hard to judge how long to knead the dough for and, although this is an imprecise measurement, you normally should just rely on feel and stop kneading when the dough feels ready to you. If you stick your finger in the dough and the indent remains, then the bread is ready to rise. Surprisingly, the act of kneading gets tiring pretty

quickly, but make sure you continue until the dough is ready.  
Divide the dough into four even loaf in greased pans.  
Let the loaves rise from 45 to 90 minutes

The amount of time really varies depending on the size of your loaf and the weather. The hotter it is, the less time is needed. Betsy taught us to wait until they "look a good size," so it's up to you to judge whatever that means to you. Also, covering the loaves with a thin cloth and setting them by the window reduces rising time as well.  
Cook in a 350 degree oven for 35-40 minutes  
Enjoy!

THE JOHNS HOPKINS  
**NEWS-LETTER**  
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## Editorial

# Students need to address homelessness

The Women's Pre-Health Leadership Society (WPHLS), a new student group on campus, recently hosted a "\$2/Day Challenge," where fifteen students lived without shelter and off of only two dollars a day. This page praises WPHLS for bringing the important, but often ignored, issue of homelessness to campus. We hope the Hopkins community sees the event as inspiration to create more awareness about homelessness and to come up with constructive proposals for dealing with it.

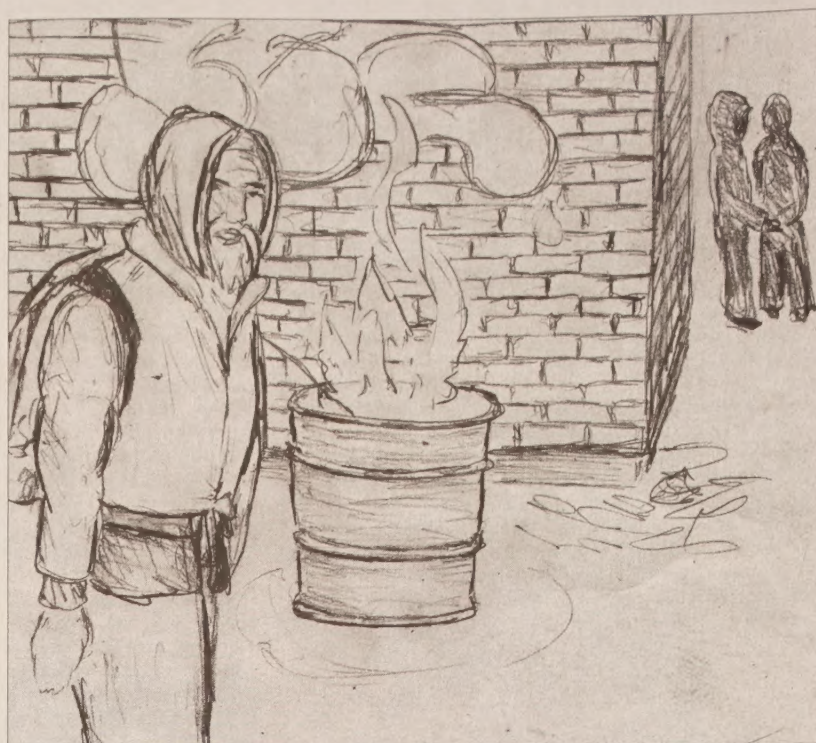
Homelessness should be an issue dear to Hopkins students' hearts. Whether grabbing a sandwich at University Market or bar hopping downtown, we witness it every day. The same cannot be said of other problems dominant in Baltimore such as drug trafficking, prostitution and unemployment.

But perhaps it is because students see homelessness everyday, that we have learned to ignore it. Events such as the "\$2/Day Challenge" are impactful because they force students to empathize with the plight of the homeless, and better understand the social and logistical issues faced.

Another reason that homelessness gets less attention than other social issues is that it is incredibly complicated. Social issues, such as abortion or unemployment, only have a finite number of variables, but homelessness can be caused by myriad factors. However, this should not be reason to shy away from the issue. It should be motivation to invest more resources and human capital into understanding it. Furthermore, since every homeless individual's situation is unique, there are no one-size fits all solutions. The impetus for change will not come from Washington, D.C., but instead needs to be home-grown in Baltimore.

This issue could really come to the fore if student groups brought in speakers, lobbied for an intersession course or engaged more with local soup kitchens and non-profits that work to help the homeless. Hopkins has many resources at its disposal, and we are lucky to have a station in life on top of the world. It is time to stop casually ignoring the issue of homelessness and to instead utilize our resources to address it.

Anne Faber



## LETTERS POLICY

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## Editorial Observer: Rachel Witkin

# Levering's fee doesn't hold water

Walk into almost any food establishment, ask for a cup of water and they will gladly give it to you for free. After all, you are most likely going to spend some of your money on their food, and, if not, it is generally seen as an act of kindness to give water to someone who is thirsty. Then, why, when I walk into the Levering Café and ask for a cup of water, am I charged 24 cents for "the cup?"

I understand that the cafeteria doesn't want people taking free cups and then filling them with soda, but what about the people, like me, who don't want to spend the extra money on a sugary drink full of calories? It's bad enough that the healthy drinks, such as the Naked juice drinks, are more expensive than the ones with no nutrition.

I suppose I could have bought a bottle of water, but I just cannot support buying a product where more than 90 percent of the cost goes into the plastic packaging,

transportation and other environmentally detrimental expenses. I'm already signed up for dining dollars, which are more expensive than actual dollars, so it is unclear why I can't even have water for free.

I would just bring my own water bottle, but it is considered unsanitary by Baltimore City to fill water bottles at a communal drink machine. As a result, I frequently find myself having to duck out of the cafeteria in the middle of lunch to take sips at the water fountain. And I can't even fill my bottle there because the angle of the spout makes it impossible.

There is absolutely no reason for Levering to make us spend money on water, especially when Nolan's, which is also run by Aramark, provides free cups for water. If large fast food corporations have the humanity to provide their patrons with this basic need then Levering is certainly able to do the same.

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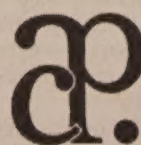
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# OPINIONS

*With the exception of editorials, the opinions expressed here are those of the contributors. They are not necessarily those of The Johns Hopkins News-Letter.*

## Palestine, not Israel, is the one refusing to negotiate over a settlement

By JULES SZANTON

In last week's issue, Bayly Winder discussed President, Obama's decision to oppose unilateral Palestinian statehood through the United Nations, and insist on Israeli-Palestinian peace talks as the best way to bring peace and stability to the Middle East.

I share Winder's frustration with the ongoing Arab-Israeli conflict, and hope for the day when the Israelis and Palestinians will both know statehood, peace, security and freedom. However, I strongly disagree with Winder's one-sided assessment of the Palestinians' unilateral statehood declaration, and I object to his unfair portrayal of the US-Israel alliance.

For decades, most of the international community has agreed on what a fair peace agreement between Israel and the Palestinians would look like. The Palestinians would get most of the West Bank, the Gaza Strip and Arab neighborhoods of East Jerusalem.

Holy sites in Jerusalem would be under some sort of shared control. Palestinian refugees could return to Palestine but not to Israel. Israeli security needs would be respected. Israel would recognize Palestine, and the Arab countries in the Middle East would recognize Israel.

Winder doesn't mention it in his article, but Israel has repeatedly agreed to a peace deal along these lines. In 1947, Israel accepted the UN-proposed partition plan. The Palestinians rejected the plan, and launched the 1948 war. After the 1967 war, Israel offered to return the territory it captured while

defending itself against three hostile neighbors. The Arab states brushed off Israel's overtures with the Khartoum Resolution.

In 2000 at Camp David, and again in 2001 at Taba, Israel offered the Palestinians a state with a capital in East Jerusalem. Yas-

ser Arafat, the Palestinian leader at the time, refused the deal and launched a bloody terror campaign against Israeli civilians known as the Second Intifada. In 2007, as part of the Annapolis Peace Process, Israel made a similar offer to the current Palestinian leaders. They refused.

Now, Palestinian Authority President Mahmoud Abbas won't even negotiate with Israeli Prime Minister Benjamin Netan-

anyahu. Winder says Netanyahu has "hardly been a reasonable peace partner." In fact, Netanyahu has spent his first years in office making overtures to Abbas: freezing settlement construction, removing West Bank checkpoints and publicly calling

for talks to reach a two state solution. But Abbas has only met with Netanyahu once, and refuses to continue negotiating unless Israel meets more preconditions.

spares the Palestinians from making the tough but necessary compromises that will be required in peace talks. The UN strategy also saves the

Palestinians from compromising on the refugee issue—the single biggest obstacle to Israeli-Palestinian peace. For decades, Arab leaders have promised millions of Palestinian refugees from the 1948 war (and their descendants) that they will eventually get to return to present-day Israel. There is no practical way for this to happen. The Palestinians will have to resettle these refugees in the state of Palestine, just as Israel has resettled hundred of thousands of Jewish refugees in the State of Israel. But many Palestinian people—especially those still living in refugee camps—aren't ready to compromise on this issue.

Instead of indulging his people's counterproductive dogmas, Mahmoud Abbas should begin preparing the Palestinian people for peace. He should announce on Palestinian television that he's ready to begin statehood talks with Netanyahu, but that he may have to compromise on territory and refugees. Israel is waiting for him. Netanyahu has already called for talks and told the Israeli people that they may have to compromise on territory and settlements.

Real peace will come when both sides are ready to make the tough but necessary concessions that will come with a two-state solution. Until the Palestinians decide to come to the table, the United States should continue to stand with Israel—its only stable, democratic pro-peace ally in the Middle East.

*Jules Szanton is a junior political science major from Potland, Me.*



ALEX MUI/CARTOONS EDITOR

### Rachel Witkin

## Say no to the Keystone pipeline

In a time when the United States is supposedly concerned about the amount of foreign energy it is depending on, one might think that leaders would try to invest in clean energy sources that do not cause national security issues. Instead, the State Department is supporting the \$13 billion Keystone XL Pipeline that will carry crude oil from Alberta, Canada to Texas. This is a big mistake, as it will only use more unnecessary resources and will be a serious detriment to the environment.

The pipeline is slated to run 1,661 miles in total, passing through Saskatchewan, Montana, South Dakota and Nebraska. This goes through many major American rivers and the Ogallala Aquifer, which is a rapidly diminishing clean water source that is distributed to over two million people. If there were to be an accident, which seems to be quite common with oil companies today, this could turn into a horrific natural and financial disaster for the Midwest. It will then go through Kansas and Oklahoma on its way to Texas, where it will be further refined, a process that will result in noxious emissions of sulfur dioxide and nitrous oxide.

It will rely on the extraction of Canadian tar sands oil, which is far more dangerous than the current modes of extraction of regular oil. The levels of carbon dioxide from this form of extraction are three times higher than those of conventional oil. That is not what the atmosphere needs right now, especially as the current carbon dioxide levels are around 392 parts per million (ppm). Most scientists agree that the upper limit of the amount of carbon dioxide in the atmosphere should only be 350 ppm. This pipeline is only going to make matters worse by exacerbating the effects of global warming.

When tar sands are extracted from the ground, the usable product, bitumen, has to be separated from the sand and the clay. It takes three barrels of water to

extract a single barrel of oil. This polluted water is put into tailing ponds, which can contaminate water systems. While this is extremely detrimental to wildlife and the environment itself, it can also seriously affect indigenous populations in the Alberta area.

Many people may claim to not care at all about the environment, or even the animals themselves, but how can they say that they are not concerned with the people who are forced to live near the tailing ponds. Due to those pools of toxic waste, people living in nearby areas tend to have drastically higher rates of cancer and other harmful diseases. One also needs to think about what will happen to the Texans who will have to deal with even more pollution in an already polluted area.

The State Department itself is supposed to evaluate the plan, since it involves international borders. This should have been an advantage, as Congress does not have to become involved. Instead, it was recently revealed that the State Department has been sending encouraging e-mails back in forth to lobbyists in support of the project. In their final report, the State Department claimed that the pipeline would have "no significant impact" on the environment, when this is obviously just a lie to keep the Department in good graces with oil execs.

One would hope that this administration would be able to put aside their greed and work toward actually trying to mitigate global climate change. This plan only prolongs the need to search for clean energy options. Obama and the State Department need to say no to this pipeline. This would send the message that they care about something other than pleasing large oil corporations.

*Rachel Witkin is a sophomore Writing Seminars and Global Environmental Change and Sustainability double major from Olney, Md. She is a Managing editor for The News-Letter.*

### Ian Scott

## Farcical Knox trial verdict is finally righted

On Monday, justice finally reigned in Italy in the highly publicized and drawn out trial and appeal of Amanda Knox. Knox, an American college student studying abroad in Perugia had been convicted, along with her former boyfriend, Raffaele Sollecito, of the brutal murder of her housemate Meredith Kercher in 2007.

For the past four years, Knox and Sollecito languished in prison first as they awaited trial and then as they waited for their convictions to be overturned on appeal.

Throughout this time, Italian prosecutors made a mockery of the justice system. They did not follow proper procedures for analyzing DNA evidence; they held and interrogated Knox without a lawyer (and, according to Knox, physically struck her); and they released intimate details of the case to the media (and, quite directly, to the jury, which was not sequestered).

Then there are the accounts of what occurred in the courthouse. According to the New York Times, one prosecutor tried to poison the jury by telling them what Knox may have said to the victim prior to killing her. They called Knox names from she-devil to femme fatale, purely based on speculation, in order to get the jury to buy into the preposterous scheme they had hatched up.

Obviously, the case is not that cut and dry. There are reasons why it has dragged on for so long and why the first verdict was a conviction. However, there is a key distinction to make between a suspicious person as a potential suspect and as a definite murderer. Italy, like the United States, requires that jurors examine the case and establish a certainty of guilt beyond a reasonable doubt.

There are three main reasons why Knox was a potential suspect. First, after originally denying that she had been in the house she shared with Kercher that night, Knox eventually admitted that she had been in the house and heard the victim scream. She also identified her former employer, Patrick Lumumba, as the killer.

However, Knox later recanted this, claiming that she had been held all night without a lawyer, threatened by an officer, handcuffed around her head, and in-

terrogated in a language she barely understood at the time.

The second reason is that Knox had no alibi. She claimed that she had been at Sollecito's apartment smoking marijuana and watching movies all night. However, Sollecito could not remember if she had been there that night. Furthermore, both had their telephones off for the whole night and there was no record of computer activity to watch the movies, as they claimed.

Third, there was a staged break-in in the room where the murder took place, an action that implies, but does not prove, that it was an inside job. Police found that glass from the broken window was on top of the contents of the room, and, therefore, broken after the murder had occurred.

All of these coinciding incidents could imply guilt, but they are not enough to convict someone of murder, especially considering the defense's arguments. There was absolutely no motive for Knox and Sollecito to kill Kercher, a reality which led prosecutors to concoct the far-fetched sex orgy gone wrong scenario.

There was no DNA evidence linking Knox to the crime scene, at least none that would withstand the kind of scrutiny applied in any American court (prosecutors originally claimed that there was, but this was later discredited by court-appointed forensic experts). Also, there were no credible witnesses linking them to the scene and the supposed murder weapon did not match most of the wounds.

Furthermore, the only suspect whose murder conviction has not been overturned, Rudy Guede, a drifter whose DNA was found at the scene and who fled to Germany, did not immediately implicate Knox and Sollecito as accomplices. Rather, he implicated them more than a month later when they were already identified as suspects and when he was looking to cut a deal.

Considering all of the facts, it is not difficult to understand why Knox was a person of interest in the investigation. What is unreasonable is the extent to which Italian authorities pursued her as a suspect, without a substantial amount of evidence.

There have been claims that anti-Americanism was at the heart of the court's persecution prosecution of Knox. Additionally, there are claims that Knox

did not act with enough remorse when she was brought in for questioning, apparently doing splits and cartwheels during her extensive interrogation. Basically, the argument was that she seemed a bit odd and did not react the correct way. Regardless, these claims, are, at most, enough to raise a cop's suspicions (and lead him or her to try and find legitimate evidence against the suspect), but can never be a substitute for evidence.

Police and court officials conceived this image of Knox and saturated the media with it to persuade the jury, which, shockingly, was not sequestered. The result is a joke of a trial, based at least as much on media impression as on the very slim evidence produced at trial, which ended with a completely unwarranted guilty verdict and caused two innocent people to spend years imprisoned.

While the Italian justice system is, from this case at least, seemingly incompetent, it is not to say that there are no similar problems here in America; it seems that reports of reversals of convictions proved erroneous by DNA are an almost daily occurrence. However, the problems that arose in the Knox case, most of which stem from misconduct or, at best, extremely lax standards on the parts of the police and the prosecutors, seem more systemic than incidental and do not reflect a functional legal system. Luckily, the right verdict was eventually reached.

There is a saying that it is better to let ten guilty men walk free than to wrongfully convict one. We may never really know whether Knox and Sollecito participated in the murder of Meredith Kercher, but if they did, and walked free because of lack of evidence, Kercher's family can still take some solace in knowing that the right man is in jail.

What is more important is that there was not nearly enough evidence to convict Knox or Sollecito, and murder trials cannot be based on hunches or suppositions. That is how witch trials were conducted, and not how trials in a modern first-world country should be.

*Ian Scott is a sophomore International Studies major from New York, N.Y. He is the Opinions editor for The News-Letter.*

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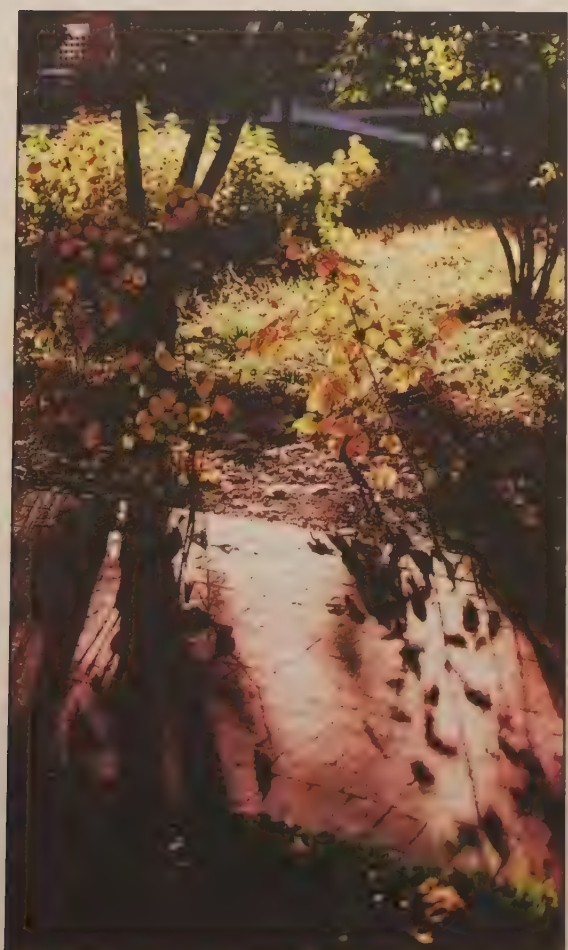
for more information, please visit

**WWW.JHU.EDU/HDS**

## PHOTO ESSAY



*fall in film*



Photos by Youngbin Park



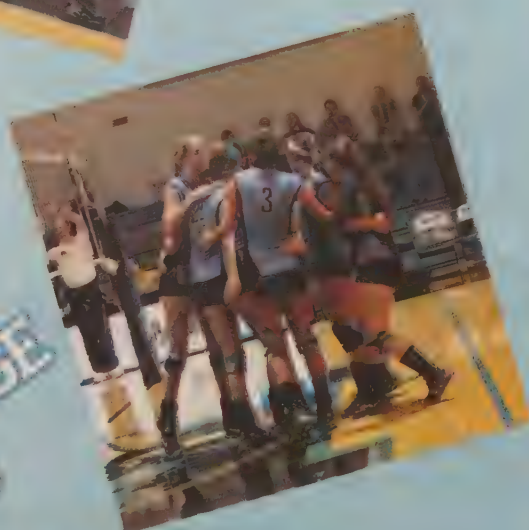
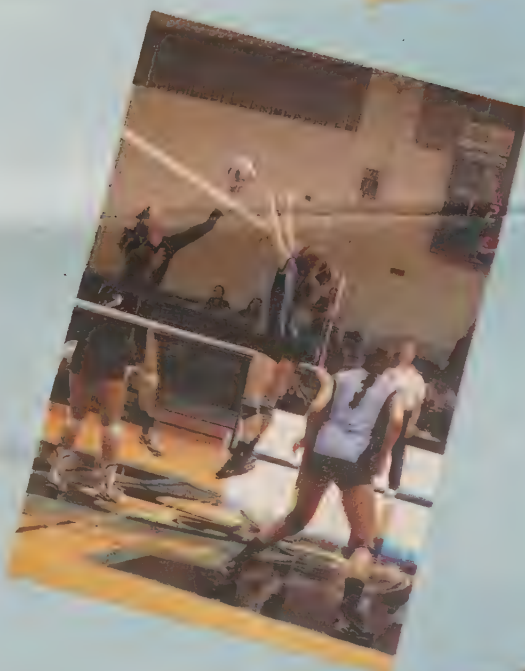
# THE B SECTION

The Johns Hopkins  
News-Letter

Your Weekend • Arts & Entertainment • Cartoons, Etc. • Science & Technology • Sports

OCTOBER 6, 2011

## LADY JAYS DOMINATING IN THE CENTENNIAL



FOR FULL COVERAGE  
SEE SPORTS



# YOUR WEEKEND OCT 6-9

## Baltimore city hosts a variety of festivals

By FLORENCE LAU  
Your Weekend Editor

October brings with it a series of fairs and festivals to the Baltimore area, each celebrating a different aspect of culture in Charm City.

Trawler Fest Baltimore 2011 is all about the culture of travelling on water in the city. There will be water boat shows, exhibits on land and seminars. This show runs until October 9th and costs \$15 for general admission.

Baltimore Black Pride begins on October 6 and runs until October 10. It is an exciting weekend filled with events like dance parties and a gala in order to promote unity for the African community in Baltimore.

The Showcase of Nations 2011 is closing on October 16. If you haven't been there yet, now's your chance to try a variety of

multicultural foods, listen to music from different cultures, watch traditional dances and try your hand at cultural arts and crafts. The last two days of the festival will feature Russian heritage, including food, music, and crafts, at the Holy Trinity Russian Orthodox Church.

Free Fall Baltimore is back for its sixth year, presenting more than 300 unique events, including special programs at museums, concerts, and arts vendors. All of these events are free to the public and take place over the course of a month, until October 31. There are many chances to try out something new, from taking a class to attending a performance of something you have never seen before.

This is the month to get out and see Baltimore, and all these fairs give you ample opportunities to enjoy Charm City at its finest.



COURTESY OF MYRECIPESFOOD.COM  
Russian food will be available during the The Showcase of Nations 2011.

You would think that Highlandtown is pronounced HIGH-land-town.

But you would be wrong.

According to true Baltimore dialect, it is Hollantown. Call it anything else and you will be laughed at.

Highlandtown, just east of Patterson Park, is one of Baltimore's most unusual and dynamic neighborhoods, practically bubbling over with quirkiness. Supposedly, it was the inspirational setting for the musical Hairspray.

It has the traditional Baltimore look down, filled with formstone rowhouses and marble stoops. But don't let that confuse you; it is far from standard. Highlandtown is home to everything from the Baltimore Science Fiction society to "bridal row," the infamous block on Eastern Avenue with Stella's Bridal and Tuxedo Zone.

It was originally a haven for Greek Americans, but over the years, it has also developed a large Polish, Italian, Irish and Latino community. The cultural mishmash gives the entire neighborhood an eclectic feel, from the range of food to the astounding number of different churches you can find over just a few blocks.

But through and through, Highlandtown is a working class neighborhood full of old-school Baltimore charm.

While Eastern Avenue is developing into a main shopping district, most of Highlandtown's stores and restaurants have been there for years. Their owners are unbelievably dedicated to the neighborhood and make it by far one of the friendliest places in this entire city.



COURTESY OF VICKY PLESTIS

Artist Michael Owen painted various LOVE murals around Baltimore, including this one on Eastern Ave.

Case and point: Hoehn's Bakery, a family-run business which began in 1927.

Going to Hoehn's is almost like going to your grandmother's house—the owners are just as nice, and the food just as good. Plus, Hoehn's has been known to throw in a free treat every now and then.

They still use a traditional brick hearth oven, and everything they bake is done personally from

other family business, has the perfect combination of flavor, quality, and charm. With murals lining the restaurant, bright yellow walls and all the people bustling about, it has a casual, old-school feel you will not find anywhere else.

Forget Iggy's in Mount Vernon. Anyone who knows Baltimore knows that Matthew's is this city's finest.

Highlandtown is also a gathering ground for Baltimore creativity.

Creative Alliance, one of Baltimore's best-known and most successful community organizations, is located in the old Patterson Theater on Eastern Avenue.

They host art workshops both for kids and community members, film screenings, music performances, exhibitions and soirees. They also are a major promoter of Baltimore art. If you have ever seen the LOVE murals around Baltimore, those are the work of Creative Alliance resident artist Michael Owen.

So rest assured, as long as Creative Alliance is around, there will always be something to do in Highlandtown.

This Friday, for instance, they are hosting "The Streets of Baltimore: Songs of Our City," an event bringing together some of Maryland's best singer-songwriters. While you are there, you should also drop by Schiavone Fine Art on South Highland Avenue. The 2011 Highlandtown Arts District Exhibition, a collection of local artwork, is on display until the 15th.

More than anything, Highlandtown is an illustration of Baltimore's astounding creativity.

But if art is not your thing, there is always Patterson Park. Every now and then, city-living can get us down. Patterson Park is Baltimore's perfect nature escape.

There are ice rinks and swimming pools, community gardening, a boat pond and a whole host of community events, including evening movie screenings in the park and the annual Ukrainian Festival. One must-see is the Pagoda, probably the park's most beautiful building.

So next time you have a bit of time to kill, you can be certain: there is something amazing going on in Highlandtown.

### Vicky Plestis Bridging Baltimore

scratch. Not to mention that their peach cake, a recipe passed down for generations, is probably the most delicious thing you will ever try.

The best thing about Hoehn's, though, is the prices. 70 cents for a donut? \$1.75 for an éclair? \$2.50 for strawberry shortcake? Yes please. Hoehn's was clearly made for college kids.

However, Hoehn's is not alone in its hospitality. The workers at Patterson Park, the coziest coffee shop known to Baltimore, make it a point to get to know each customer and their go-to drink.

Matthew's Pizzeria, an-

mouth contributes to a healthy body through hands-on exhibits.

Trey Anastasio Band  
7 p.m.  
Rams Head Live

Trey Anastasio, a musician known for his work with the rock band Phish, will be performing at Rams Head in downtown Baltimore.



ENWIKIPEDIA.ORG

Peabody Camerata  
7:30 p.m.  
Leith Symington  
Griswold Hall

Gene Young will be conducting a set of four contemporary orchestral pieces by Stockhausen, Webern, and Babbitt. This event is free for all.

What the FUSS?  
10:30 p.m. - 3 a.m.  
322 East University  
Parkway

Health Leads, previously known as Project Health, is hosting an event for volunteers and supporters of Health Leads. There will be support sessions for anyone who has questions for the group.

Sun. Oct. 9

Run Wild for Autism  
7 a.m. - 12 p.m.  
The Maryland Zoo

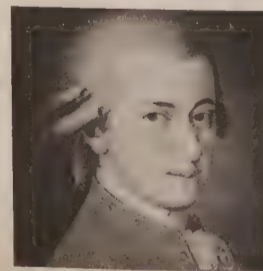
This year's event to raise funds to support those with autism and increase awareness will feature a 5K and a Family Fun Run. Registration begins at 7 a.m., and the race starts at 8:30.



LAZYMOMS.COM

25th Anniversary  
Showcase  
2:30 - 5 p.m.  
Miriam A. Friedberg Concert Hall

Leon and Katherine Fleisher will be performing Mozart's Concerto in F Major for Two Pianos and Ann Schein will be performing Beethoven's Choral Fantasy in C Minor.



MASONMUSIC.COM

Roots Cafe Singer  
5 - 7:30 p.m.  
An Die Musik  
LIVE!

Sam Nitzberg and Matt Douglass will be performing songs they composed with host Geoffrey Himes. Nitzberg is best known as the founder of the Charm City Reactors, and Himes will be premiering his new song.

## Calendar of JHU and B'more Events

Thurs. Oct. 6

Strings  
12 p.m.  
Miriam A. Friedberg Concert Hall

As part of their Thursday Noon Recital Series, Peabody will be putting on a concert with various string instruments. Admission is free.

Thoroughfare Coffeehouse  
8 - 9:30 p.m.  
Nolan's

Thoroughfare will be serving food and drinks at Nolan's, where previously published student works will be published, including poems, films and paintings. This event is free and

open to everyone.



CALJAVACOFFEE.COM

Fri. Oct. 7

Peabody on the Court  
12 - 1 p.m.  
The Walters Art Museum

In a concert series created through a partnership with Peabody, Caleb Johnson performs in a classical solo viola performance.

Luke Evans & James McTeigue Honor Edgar Allan Poe  
12 - 2 p.m.  
Westminster Hall

Actor Luke Evans from The Three Musketeers and The Hobbit and director James McTeigue from V for Vendetta will

be honoring Edgar Allan Poe and holding a Q&A session about their upcoming thriller, The Raven. Admission is free and is first-come, first-served.

Freshman One Acts  
8 p.m.  
Arellano Theatre

The class of 2015 is presenting the Freshman One Acts, five short shows all performed by actors and actresses from the freshman class. Admission is free, and there will also be performances on October 8 and 9.

Sat. Oct. 8

MouthPower Day  
10 a.m. - 4 p.m.  
31 S. Greene Street

The National Museum of Dentistry is hosting a day-long festival with events spotlighting how to eat healthily and take care of your teeth. Learn how a healthy

# ARTS & ENTERTAINMENT

## Caged Animal's "Teflon Heart"

Whether you're looking for a laid-back song to listen to after a rough day of work, or a song to help you recover from the night before on Sunday morning, the latest single, "Teflon Heart," from Brooklyn-based quartet Caged Animals has you covered.

"Teflon Heart" continues Caged Animals's psychedelic, electric-pop style that appears in their albums *Eat Their Own* and *S/T* and their EPs like *Warped Souls* and *All My Friends*. The beginning beat creates a relaxed, yet danceable rhythm.

Then front man Vincent Cacchione's vocals kick in, contrasting the beat perfectly. Another highlight is the upbeat bass solos by Talya Rose Cacchione. The other members of Caged Animals are Magali Francoise on keys and Patrick Curry on drums.

The lyrics of "Teflon Heart" paint the portrait of a guy describing a girl who lets nothing, good or bad,

stick to her (hence, she has a "teflon heart"). The guy desperately wants to be just like her. The lyrics also establish a mildly comedic tone with lines like "you brought me to the cinema / got me a tarantula" and "you take a Zipcar to utopia / made me watch Magnolia." These lighthearted words fit the cheerful beat perfectly.

Although "Teflon Heart" holds mostly true to Caged Animals's traditional psy-

### Hot Singles on the Internet

chedelic style, it is a definite step away from their very groovy prior singles like "Girls on Medication" and "All My Friends."

But this is not necessarily a bad thing. "Teflon Heart" possesses more decipherable, accessible lyrics and a more staccato beat than previous over-synthesized singles by Caged Animals.

That being said, it remains to be seen whether Caged Animals is just another Foster The People sound-alike or a band distinguishable in its own right. Only time (and more singles) will tell.

— Rachel Schnalzer



COURTESY OF WWW.AMAZON.COM  
Electro-pop quartet Caged Animal releases their single "Teflon Heart."

## Refn makes good with new release *Drive*

Rehn's US directorial debut blends Tarantino, art house and Gosling

By MICHAEL NAKAN  
Managing Editor

With a title as innocuous as *Drive*, a catchphrase as generic as "there are no clean getaways" and little to no hype or publicity, it comes as possibly the best shock of the year that *Drive* isn't just good, it's close to incredible.

Director Nicolas Winding Refn makes his U.S. debut with a movie that doesn't so much blend genres together as create whole new ones. Sure, we've heard the story before (total badass goes rogue after a heist gone wrong), but it's never been told quite like this.

*Drive* mixes the ultra violence of Tarantino with the pacing and sharp visual imagery of *Once Upon a Time in the West*, frames the whole plot in the romance of European art-house and dunks the entire work in '80s retro goodness perhaps most notably exemplified in video game *Grand Theft Auto: Vice City*.

The hero of the film is the unnamed driver (Ryan Gosling) who lives an unassuming life in a non-descript apartment in Los Angeles.

He is a stuntman by profession, working on



COURTESY OF WWW.ALLMOVIEPHOTO.COM  
Ryan Gosling, who plays an unnamed driver, stares moodily into the interior of a car in Refn's *Drive*.

### DRIVE

**Starring:** Ryan Gosling, Carey Mulligan, Bryan Cranston  
**Director:** Nicolas Winding Refn  
**Run Time:** 100 min.  
**Rating:** R  
**Playing at:** The Rotunda

Hollywood movies; the work is dangerous, but he doesn't care.

He moonlights as a mechanic in a dirty garage where he is mentored by crippled Shannon (Bryan Cranston), but he makes his real money working as a getaway driver late at night for whatever criminals have the cash to pay

for it.

A chance encounter with neighbor Irene (Carey Mulligan) and her young son kicks off the main plot: Irene's husband is in jail, and he's mixed up with the wrong people.

Needless to say, much of the impact of this film

(based on a short, non-linear book by James Sallis) would be lost in a simple plot synopsis. Rest assured that there are enough snappy one liners and muscle-bound heroes to make Arnie sit up and take notice, but a simple revenge action flick this is not.

It is a rare director and cast indeed that can make both subtle romance and gory violence (and, in one notable case, a collision of the two) look and feel so good.

The nameless wanderer is nothing new to cinema. *SEE DRIVE, PAGE B4*

## How Steve Jobs changed the way we interact with music

By CHRISTINA WARNER  
Editor-in-Chief

The death of Steve Jobs marks the end of the life of an individual who reimagined technology for us in so many ways.

As someone whose tech abilities rank higher than those of my parents and lower than the entire Whiting School of Engineering, even I can attest to the tangible effects of Job's work. His foresight into the developing world of music has not only affected the way we interact with music as consumers but also how artists contemplate the production of their work.

Mp3 players like the iPod have eliminated the need to lug around cases of CDs, which were previously the stackable crates of vinyl albums.

The ability to transport music transforms the experience entirely. No longer is music an experience that takes place in a car or in a home. It takes place in your pocket, or purse, or any other place you could conceivably fit your Mp3 player. It takes place on your phone.

At the gym, women on ellipticals are plugged in to

their workout playlists that have already been carefully composed in their iTunes library. In the weight room, others listen to their entire catalogue on shuffle.

The idea of LPs and EPs have been reimagined for artists. No listener is forced to listen to the songs sequentially let alone purchase an entire 12-track album in its entirety. And for this, each library is unique even to individuals who boast similar music tastes.

The concept of the "single" has taken on a new quality. Whereas previously singles could be found on EPs which were released prior to the full-length albums, now they are available for only 99 cents on iTunes. Anxiously waiting by the dial on your radio has been replaced by clicking "Download Now."

Exposure to new artists is promoted by "Single of the Week" and other, more-personalized additions like Genius, Ping and DJ which expand from one's already-existing catalogue.

Jobs didn't reinvent the music industry but he forever altered the experience that consumers and artists will have with their music.

## Why AMC's *Mad Men* beats out the competition

What is it about the 60's that has the television industry all abuzz?

The easy answer would be Don Draper and his bedroom escapades, or the way Joan Harris fills out her dresses. But if it is simply sexual glorification that gives *Mad Men* its juggernaut energy, then why is it that so many attempts to copycat AMC's crown jewel

stewardesses. Though it premiered a few short weeks ago, its publicity campaign was so successful that it was one of the most highly-anticipated shows to premiere this fall.

*Pan Am's* weakness comes from the heavy-handed direction of writer Jack Orman, of *ER* fame, and director Thomas Schlamme, of *The West*

### Ting Talks Hsia-Ting Chang

*Wing* fame (we expected better of you, Mr. Schlamme).

While the show gets some

leeway - it's the age of exploration! flying is fun! - the bright-eyed idealism apparent in the go-forth-young-soldier music and forgiving lighting is, quite frankly, over the top. *Pan Am* lacks subtlety and verisimilitude.

Really, who'd believe be-



COURTESY OF WWW.ABC.GO.COM  
Laura, who ran away from home, smiles from the cover of LIFE magazine.

coming a secret agent for the CIA was as easy as switching out a passport, as suggested in the pilot episode?

While the women and their savoir-faire appeal may keep viewers at home glued to the TV screen, the direction of the show seems as ham-fisted as a novice's first attempt. Strange, considering the show's weighty credentials.

Let's move on to the other retro-contender, NBC's *The Playboy Club*, which also premiered quite recently. The show follows Amber Heard's character as she tries to rise from the anonymity of her past to gain recognition on the cover of *Playboy Magazine*. Where most of the women's sensuality in *Pan Am* stems from a kind of Victorian peep-show kind of thrill, *The Playboy Club* takes quite another approach; clad only

in corsets, their bunny ears and black stockings, the "Bunnies" put everything on display (though the only real naked flesh is that of face, neck and arms).

Enjoyment of this show is rather similar to the enjoyment of Miss America pageants, or Miss Universe pageants - completely gratuitous and not necessarily founded on any kind of personal investment on the part of the viewer. Pretty people meet more pretty people and compete for dominance within the space of a nightclub. It's not exactly intellectually stimulating; the plot of each individual episode lacks believability.

Luckily, the show has already been cancelled, only two episodes into the season.

*SEE TING, PAGE B4*

The shortcomings of *Pan Am* and *The Playboy Club*



COURTESY OF WWW.NBC.COM  
The Playboy Bunnies party at Hugh Hefner's Playboy Mansion in episode 2.

## Exhibit displays amnesiac artist's watercolor talent

By WILLIAM MASON  
For The News-Letter

In the Sept. 15th issue of The News-Letter, the article entitled "Artist with amnesia enlightens scientists" was published in the Science & Technology section. The exhibit is now examined on a more aesthetic level.

Can you imagine struggling to create a work of art, but hardly being able to remember what you were doing five minutes ago?

This is a difficulty that Lonni Sue Johnson, a respected illustrator for *The New York Times* and *The New Yorker*, deals with every day.

*Puzzles of the Brain: An*

*Artist's Journey through Amnesia*, a special exhibition at the Walters Art Museum in Mount Vernon, showcases Johnson's complex works before and after her amnesia developed.

The artist, who contracted viral encephalitis in 2007 and now suffers from both retrograde amnesia and anterograde amnesia, can neither retain recent memories nor recall memories from her past.

The first set of her works encompasses a few of her most well known cover illustrations for *The New Yorker*, before her amnesia developed.

*SEE AMNESIA, PAGE B5*

## ARTS &amp; ENTERTAINMENT

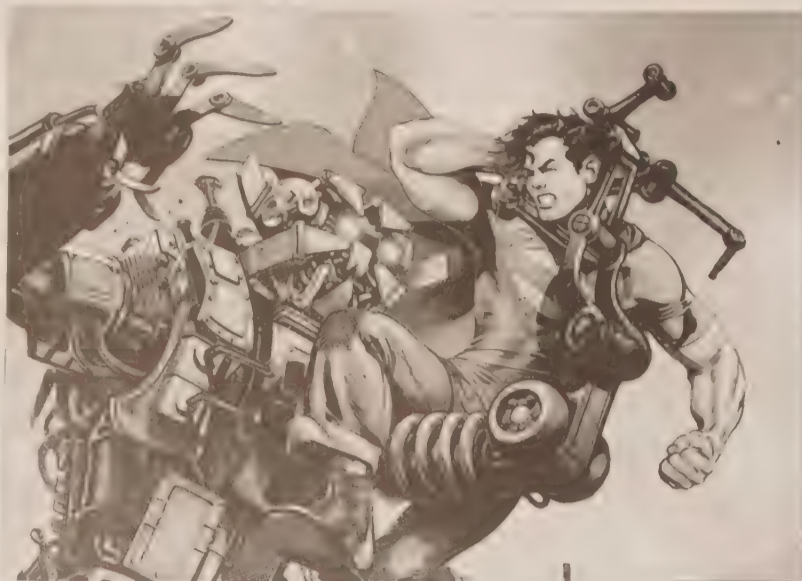
## DC Comics revival sparks fervent fan interest

Approximately one month ago, DC Comics rebooted its entire line of superhero comics titles *Action Comics*, *Detectives Comics*, *Batman*, *Superman*, all numbering above the 700's, restarted with issues all starting at one. 52 new comic series, dubbed the *New 52*, have landed on the shelves, telling stories of younger, fresher heroes only about five years into their careers. *Superman* is the world's first hero, while *Batman*, *Green Lantern*, *Wonder Woman* and the rest soon come out of the woodwork.

Though there is some precedent for the decision in stories like *Crisis on Infinite Earths* and *Marvel's Ultimate* line, the reboot caught both retailers and fans blind-sided when it was announced in July. The Internet, as is normal, exploded with cries of hatred and condemnation, but the trial period is actually over. Starting with the Aug. 31st *Justice League #1*, the 52 new books hit the stands each Wednesday in Sept. And though the initiative hasn't played itself out, we're finally at a place to look and pass a little judgment.

Statistics, by and large, are in favor of DC. They advertised heavily, and that seems to have paid off. Hundreds of decaying comic shops around the country found customers, both old and new, returning to see the updated stories. And while many cried that this was their last time buying DC, many more seemed to say it was their first time. Every single one of the *New 52* sold out its first printing. Some of the bigger books like *Superman*, *Action Comics* and *Justice League*, have flown into their third or fourth. DC even offered returnability, where retailers that weren't selling books could return them to the publisher. And for an industry that's notoriously rough on its retailers, offering them those kinds of incentives gave them a lot of good faith.

We're also starting to see some of the broader creative implications. Geoff Johns, the Chief Creative Officer of DC, has had incredible suc-



COURTESY OF WWW.DCCOMICS.COM

DC Comics reboots the comic book scene with their New 52 revival series, giving old superheroes new identities.

cess rebooting franchises like *Green Lantern*, *Teen Titans* and *Superman*, while Grant Morrison has had similar experiences with *Batman*. And the reboot is really built off of those two ideas. Let's restart, get back to basics and redefine what it means for these guys to be heroes.

It's worked. *Superman* has become a working-class icon,

## Buddy Sola Guest Columnist

much like his original '30's appearance, putting down bullies of all shapes and sizes. *Wonder Woman* has returned with an edge of horror and mythic implications. The *Flash* is a combination of *CSI* and Silver Age science. Even *Aquaman*, renowned for his lame powers and abilities, has taken on a meta quality, where the world sees him as the butt of one cruel joke. And the best part is each and every one of these stories is accessible, yet deep. I'm introduced to these characters at the same time I recognize them, and that's not an easy feat to pull off.

But, even as I'm praising the reboot, glad that it's taken place, I can't help but wonder about some of the negatives. DC Comics has always distinguished itself in two ways. One, its heroes' age, and they age well. Robin is a kid, then goes to college, then gets a job and becomes *Nightwing*. When the first *Flash* dies, his sidekick dons the mantle and

takes over. Yes, *Batman* and *Superman* started when they were young. They were brash and bold, but now they've gained experience and wisdom. They're passing that down to their protégés, learning to deal with a newer, grittier world and all the while, they're still best friends. Those relationships are lost in the *New 52*. These characters aren't war buddies, connected by their paths and living in the present, they're all new. And while it is very exciting to see the ups and downs in the beginning of their careers, we've lost those unique, dynamic relationships.

Secondly, DC has, for better or worse, introduced dozens of new characters. They took names from forgotten World War II heroes and gave them a place. They worked hard to make each and every one matter. They're pulling in new characters, new concepts and giving them life on the page, rather than telling the same stories about the same characters over again. And while some characters are getting much needed love (*Resurrection Man* and *Animal Man* being the two most prominent examples), others are completely absent. *Wally West*, who was the *Flash* for more than 20 years, is completely absent.

But I see DC's point. Those kinds of relationships are exactly what's right and wrong about comics. There's a shared universe and continuity; *Batman's* actions have an effect on

*Green Lantern's*. But stripping themselves of some of the chains of continuity has liberated them to tell stories that they couldn't before.

And for somebody that's walking into a comic shop to pick up their first book, it's a relief that they can without finding themselves burdened by all the unspoken backstory. Telling new, young stories allows us to watch that backstory grow for ourselves, rather than read anthologies from the '70's or Wikipedia. It also allows us to trim the fat from many of these histories. Do I need to dwell on the fact that *Aquaman* was turned into an octopus wizard called the Dweller of the Depths? No. I can just say that didn't happen. We don't need to remember all the unsuccessful stories, aborted arcs and lame additions. We can just excise them now.

In the end, DC has done exactly what it set out to do. They attracted thousands of new readers to comic shops that had steadily been losing business over the past 10 years. They reinvigorated and renewed franchises that had gotten bogged down in its own history. And they stretched their wings to tell stories that weren't guaranteed to work or sell a lot of issues, but they were still good stories. The influx of the *New 52* may or may not sustain itself, but if one out of every 10 readers becomes a fan and comes back in Oct., the industry is still looking at massive growth. And that growth looks like it starts now.

## Refn's newest film Drive a masterpiece

DRIVE, FROM B3

ema, but this is certainly the best instance that comes to mind of it working so well within a modern context.

Refn takes a page out of Sergio Leone's book and pastes it angrily over Tarantino's; despite the tit-for-tat story and the stylish violence which look like they jumped straight out of *Pulp Fiction*, Refn never falls into the pitfall of letting his characters do the long-winded talking for him.

Instead, tension is built up almost entirely through the so-tight-it-hurts pacing, choice bits of dialogue here or there and the minutes of silence and extreme close-ups that come before spats of extreme violence.

Worth mentioning is the soundtrack, which has got to be one of the best to grace the silver screen in the last 10 years. The score is largely minimalist, working with loud expressions of bass to boost the suspense of a car chase or gunfight.

Combined with these are stunningly good, '80s-styled vocal pieces with catchy lyrics and enough of an emotional punch to express some of the emotions that Gosling's character won't or can't put into words.

The photography is absolutely stunning, shifting gears from dark and gritty car chases to light and heartwarming romance scenes without even the tiniest break in consistency.

The acting, which probably won't be mentioned at the next Oscar run, is more than serviceable

with Gosling being tough and macho, Mulligan being strong but vulnerable and all the bad guys being, well, bad.

The driver himself is the only character that has much complexity to him. He is a good man doing bad things for the right reasons; ever heard that before? Just like Clint Eastwood's cowboys, he has to be tough to survive. And just like Eastwood, people around him, especially those he cares about, have an unpleasant habit of dying. He exists within shades of grey, dealing with situations too violently at times — but that's because he deals only with his own rules.

Gosling brings an interesting layer to a character that we've seen before; instead of the rough, gruff and gravelly voice of Eastwood and his devil-may-care attitude, Gosling is sensitive and soft spoken — until the shooting starts.

Watching *Drive*, one knows that Refn loves films. He references everything, including Korean revenge story *Oldboy* and even has a rather blatant homage to *Halloween*.

His enthusiasm is contagious — *Drive* proves that Refn is a force to be reckoned with, no matter what speed he's going. You'll leave the cinema wanting to turn around and go right back in.

**Bottom Line:** One of the best movies of the year, *Drive* deftly blends European art-house cinema with retro ultra violence into a brilliantly shot, well acted and superbly paced masterpiece.

5/5 stars.



COURTESY OF WWW.ALLMOVIEPHOTO.COM

Driver, Gosling, hides from a gunman in Refn's surprise hit *Drive*.

## Mad Men spawns copycats on other T.V. networks

TING, FROM B3

The shortcomings of *Pan Am* and *The Playboy Club* certainly make us yearn for the days of *Mad Men*, whose Season 5 premiere is now slated for a 2012 release.

Though it's certainly true that the Emmy darling has its fair share of issues, the show makes conscious effort to depict a realistic, if highly sexualized, reflection of 1960s America, flaws and all. Despite much debate over the blatant misogyny displayed by several of the characters, there is nonetheless a historical context must be considered; furthermore, within this carefully constructed fictional world, however, the characters move with all the agency

they are due. The writers of the show seem, to me at least, attempt to give the women of the show personality and purpose to balance the misfortunes of the times.

It is this consideration, in conjunction with the fully realized pacing and apt direction, that has launched *Mad Men* to the success it enjoys today.

Since *Mad Men's* premiere in July of 2007, the 60s fever has spread from television, to fashion, to the cultural consciousness of American audiences. After all, if advertising of the show has (in all irony) taken on a life of its own via the Banana Republic *Mad Men* Collection, well, it must be doing something right.



COURTESY OF MURAT BILGEL

Explosions in the Sky and The Antlers came to Bmore.

The Explosions in the Sky performance at Rams Head Live! last Saturday was sold out weeks before the day of the concert. The audience was anxious to watch them live, and the venue was packed about half an hour after the doors opened.

The opening band was The Antlers, an indie rock band based in Brooklyn. Incorporating high-pitched male vocals, the band's music was reminiscent of that of the Icelandic band Sigur Rós.

During the 45 minute performance, The Antlers captivated the audience; however, their music was only a warm-up for what was to follow.

Shortly after 10 p.m., the

stage was ready for Explosions in the Sky. The Austin quartet plus a fifth touring member was greeted with an even larger crowd on their third visit to Baltimore.

The band was ready to impress its

Baltimore fans yet again with an emotionally explosive gig that justifies its name, and the fans were ready to be taken off their feet watching the Explosions in the Sky.

After a brief greeting by the leading guitarist Munaf Rayani, the band launched into "The Only Moment We Were Alone" from their 2003 album.

Lights directed towards the audience lit up as the music progressed through the intense crescendos, followed by darkness that accompanied the return to the soft and quiet melody.

The talented musicians induced a cathartic hypnosis on the packed house immediately with their intricate guitar melodies.

Without a need for vocals, the band let their music do the talking. Most of the set list consisted of newer material from their 2011 release, *Take Care, Take Care, Take Care*, the first of which was "Last Known Surroundings."

The last album of the band features taped vocal effects that sound like chanting. Hearing these effects blasting through the speakers at Rams Head Live! was truly captivating.

There was no single moment of complete silence throughout the whole concert, and the band played as loud as they could when they reached the climax of the songs. The third song was "Catastrophe and the Cure," which is considered

to be a central element of the band's live performances as it allows leading guitarist Rayani to join Chris Hrasky on drums for the conclusion of the song.

This was an entertaining part of the concert for the audience, as Rayani happens to be the most expressive member of the band, not to mention that he was the only member to address the audience at the beginning and end of the concert.

The band followed this with "Be Comfortable, Creature," another song from their latest release, and "Greet Death." At times, the music was so loud that one felt pushed back by the sound waves — it was a mystery how anyone could still hear the main melody of the song during these loud intervals, clearly demonstrating the mastery of Explosions in the Sky at handling acoustics at live performances.

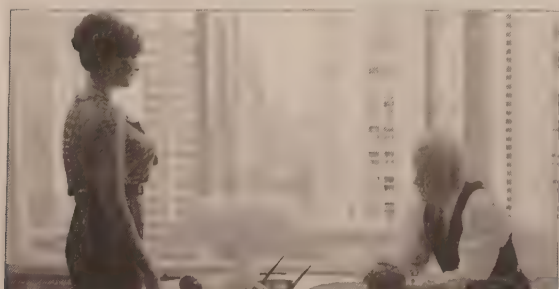
After three more songs, the band concluded their performance with "The Moon is Down."

Rayani thanked the audience, and the band was off the stage soon after the closing remarks, conspicuously reflecting that they were not doing an encore, which is a

staple for their live performances.

It was a satisfying concert, nonetheless, that left the audience with a feeling of weightlessness, and everybody was amazed at the beauty of the live performance without words as they walked out into the rainy night.

— Murat Bilgel



COURTESY OF WWW.AMCTV.COM

Curvaceous secretary Joan Harris talks with Roger Sterling in the AMC series.

## ARTS &amp; ENTERTAINMENT

## Walters houses pre- and post-amnesia artwork

FROM AMNESIA, PAGE B3

These are a pleasure not only to observe, but also to ponder, as Johnson is quite prolific in her use of the visual pun. For example, one of the most clever and interesting covers that Johnson created was the "Christmas Tree Line" in 1985.

In this simple yet effective piece, Johnson uses the idea of an aggravatingly long Christmas shopping line and organizes it so that it forms the shape of a Christmas tree.

This piece is also created using the medium that makes Johnson's work lively and distinct — watercolor.

In pieces such as "Baseball Stage" and "Fall into Books," which also employ her fantastic sense of irony, her watercolor method allows the

vivid and soft colors to blend smoothly and stand out in a visually alluring manner.

These among other captivating works of art reveal the distinct aesthetic and intellectual brilliance of Johnson's mind.

Passing into the next set of pieces, you find yourself face to face with two brain scans and a horrifying tragedy.

Placed in comparison to a scan of a normal brain, Johnson's brain is severely damaged. The damage can be seen especially in her frontal lobe and in her hippocampus.

There is also an image of an attempt at writing her name, with the result being only scattered lines and dots.

At first it is terrible to see this extraordinary artist's

inability to even place her pencil against the paper, but then, as the artwork continues, a whole new perception of the artistic human mind is revealed.

Beginning with a few pieces called "Finish the Drawing," in which Johnson completes a drawing after her mother has placed an arbitrary line or two on the page, a return of Johnson's wit and creativity becomes slowly apparent.

What follows is an enormous collection of original word searches, with which Johnson becomes obsessed as her brain functions improve.

These puzzles begin as simple grids, but soon form into various shapes and orientations and grow more and more in both the complexity of the puzzles and the vibrancy of the illustrations that surround them.

By the final illustration of the exhibition, "Drawing Together," which depicts a man and a woman drawing curtains on their own wall together, it can be said that Johnson's artistic brilliance pre-amnesia has finally returned.

While the brain can certainly be studied intently through our neuroscience, cognitive science and psychology courses, anyone who is remotely interested in the human mind to explore it through art by visiting this exhibit.

By the time you have made a full circle around the room and seen each sketch, watercolor, and word puzzle, you will have a whole new perspective on the mystery of the human mind.

**We encourage anyone who is interested in the human mind to explore it through art.**

They Might Be Giants opened its Philadelphia concert at the Theater of the Living Arts with the aptly named, "How Do You Spell TLA?" The number exists because the band wrote customized venue songs for each stop on their 2004 *Spine on the Hiway Tour*. Of course they did.

TMBG has a song for everything. "Minimum Wage" uses only two words to express the band's views on labor laws, "Why Does The Sun Shine?" contains valuable and accurate information about nuclear fusion and "Man, It's So Loud In Here" tackles a tough scenario that everyone has experienced at some point (whether at a club or a train station).

However, after 30 years of capturing the absurd and mundane in alternative rock, TMBG shows no sign of slowing and still draws large crowds. The group publicized their new album, *Join Us*, throughout their set and foreshadowed upcoming projects.

The band's front men, John Flansburgh and John Linnell, embodied their established stage roles from the start. Flansburgh interacted with the audience, telling jokes and stories, while Linnell remained quiet, biding his time.

The band performed a mix of new material and classic favorites, and got equally positive responses for everything on their spectrum. The 1988 hit "Ana Ng" got cheers, but so did 2007's "The Mesopotamians" and songs from their new album like "Can't Keep Johnny Down" and "Old Pine Box."

About a third of the way into the show, Flansburgh led the audience in one of the band's "disreputable social experiments" called Ape Club. He took an industrial flashlight and shone it into the middle of the audience, dividing the



COURTESY OF WWW.100XR.COM

They Might Be Giants brought their off-beat humor and diverse interests to the Theater of the Living Arts.

group into two teams. The audience to stage right of the beam became the "people" and the other half became the "apes." The band members were also divided and the audience had to chant their team name when their corresponding musicians played.

The audience organized quickly and followed the experiment's instructions exactly, to Flansburgh's immense disappointment. They chanted at the right times, they were quiet and they jumped when Flansburgh said jump.

Later, the Johns performed as their sock puppet alter egos, The Avatars Of They. Both did voices and manipulated props (such as a cardboard cutout of Meg Ryan's head) to give the muppet-like characters personality.

Though The Avatars of They might have been off-putting to another crowd, the audience had clearly been waiting for them

and seemed to undertake the story behind their creation. This insight extended to all of the group's antics. Band t-shirts (including tour shirts) were everywhere and the general enthusiasm level was high.

In the 80s, the TMBG lineup consisted solely of the Johns accompanied

by pre-recorded loops and a drum machine. Flansburgh

played guitar and Linnell doubled on keyboard, reeds and accordian. The group filled out in the 90s to include drums, bass and additional guitars, but the original emphasis on technology is still obvious.

"Artistically I think we always kind of knew what we wanted out of it," Flansburgh said in a 2010 NY1 interview.

TMBG has maintained a shockingly consistent sound over the last 30 years, and though some criticize them for a lack of growth, their fans have certainly remained loyal to their upbeat, off-topic

material and rock steady sound. Even their forays into children's music have been popular with the adult crowd.

To be fair, TMBG isn't for everyone. The fanbase seems somewhat insular and it probably wouldn't be the best idea to attend a TMBG concert cold without knowing what to expect. The group uses humor to draw people in, though.

For example, at one point Flansburgh shone his enormous flashlight on a loudmouth at the venue bar. "This light has three settings," he said, "light, lasik and eject." The audience definitely bonded over laughing at the belligerent drunk.

Overall, the most amazing thing about TMBG is that it is still going strong and sounding awesome. Linnell continues to maintain his inexplorable good looks and every song the group performs is still out there in some way.

Basically, TMBG is still weird, which is actually a hard quality to maintain for three decades.

—Lily Newman

## Last Week Live They Might Be Giants

ARTIST  
**Mastodon**  
ALBUM  
*The Hunter*  
LABEL  
Roadrunner  
Records  
RELEASED  
Sept. 26, 2011

Genre is a tricky topic. While some believe it's a great taxonomy for clarifying and classifying our culture, Mastodon's fifth studio album *The Hunter* shows some of genre's truest weaknesses.

You see, Mastodon is a metal band.

In fact, they're known equally as a sludge metal, progressive metal and psychedelic metal band. And so, most people might hear Mastodon and instantly dismiss them, as their assigned genre doesn't align with conventional tastes. These people would be missing one of the best albums of 2011 entirely.

Mastodon is known for growth across their music, but they've never exhibited this much breadth and depth in one tight 53-minute work of art.

Here, they transcend all genre, all classification, to bring fans of all types something powerful. Are you a Pink Floyd junkie? Listen to "Creature Lives" a few dozen times. Love some Led Zeppelin? Give "The Sparrow" a shot. Hell, do you just want plain, old Crack-the-Skye, Blood-and-Thunder Mastodon? "Black Tongue" has every-

thing you need.

But here's the thing that makes the album an instant classic. All of those songs aren't just homages to certain bands or styles, they're improvements on them.

They're modern updates of them. And not one of them feels out of place. This album has zero filler; nothing was produced for fluff.

These guys are artists, visionaries and virtuosos all wrapped in one beautiful package. And though it's not a high-power concept album, the ability to link all of those nuanced, disparate songs into one, single expression is a feat by itself.

Mastodon isn't shying away from their strengths, either. Guitarists Brent Hinds and Bill Kelliher are both technically precise and efficient, but they never devolve into bad habits. Every note they play has a purpose; they're not arpeggiating as fast as they can, pretending to have some skill they can't claim. They hit the right note at the right time for the right reasons.

Bassist/vocalist Troy Sanders drives the album with his heavy, distorted groove while at the same time switching between gravelly growls and mesmerizing melodies.

The percussion is so good, I barely notice it, unlike many metal drummers who seem to be screaming "Ooh! Ooh! Look at me! I'm totally supporting everybody else."

But the most masterful part is that they feel like a band. They're not propping one person up as show-

## NEW VIBRATIONS

runner, and nobody gets the bulk of the limelight.

For Mastodon, it's about the song. If it needs a wickedly dark guitar part supporting a sludgy bass riff, that's what's there. If it needs war drum percussion and chanting vocals, that's what's there. If it needs to be good, Mastodon makes it great.

At first, the only criticism was its brevity. But in the end, even that doesn't hold up. Mastodon's work is complete just as it is. And, by the way, all of the bonus material is more than worth it.

At 15 songs, it outplays most stuff on the stands — even heavy-hitting albums from metal giants like Megadeth and Metallica. And whereas Death Magnetic and Endgame are albums with great songs, but little unity, Mastodon's album feels alive and fluid.

Each song flows into one another, like movements in a symphony rather than tracks on a disc.

Motifs and themes in "The Hunter" are repeated in "The Sparrow." The transitions surrounding "Octopus has no Friends" make it hard to differentiate between the tracks. They easily could have released them as one track,

and I'd be complimenting their clever modulation and lyrical shift.

It's hard to elevate one song above another, but there are a few show-runners. "The Curl of the Burl" is a great, heavy song that screams chart-topping single. "Octopus has no Friends" is one of the songs that will surprise non-metal fans, as it blends rough metal instrumentation with fluid and catchy vocals.

"The Hunter" is a well-deserved title track that will be a set staple for every Mastodon tour to come.

In the end, the album is tight, strong, heavy and innovative. Four adjectives that, sadly, get lost in the modern fragmentation over taste and preference.

There will be tracks that some love and others love more, but each one is going to be someone's favorite because Mastodon put their best work in it.

Whether you love rock, rap, country or dubstep, Mastodon may break down the traditional walls around metal, bringing in new blood and new fans. And for enthusiasts, they'll have an album to point to when they need to show someone something great.

—Buddy Sola



ARTIST  
**Blink-182**  
ALBUM  
*Neighborhoods*  
LABEL  
David Geffen  
Company  
RELEASED  
Sept. 27, 2011

In Blink-182's new album, *Neighborhoods*, released Sept. 27, the group integrates the new synthetic style adopted by many artists with their own traditional unique style. This blend forms a new flavor for Blink-182, one that many fans will savor.

The album opens with "Ghost on the Dance Floor," which sets the stage for the rest of *Neighborhoods*.

Blink-182 toys with synthetic instrumentation, and this unfortunately results in a lengthy, unprogressive intro, a trend that carries through most of the album.

This song was a boring way to start the album. Blink-182 brings back a taste of their original style with "Heart's All Gone," which fans of the band may enjoy. This song features catchy lyrics, pleasant vocals and

interesting breaks.

"Snake Charmer" also has a long intro, but redeems itself with its creative new style. Listeners are sure to get caught up in the interesting instrumentation and vocals employed throughout. *Neighborhoods* has a habit of carrying through its songs with somewhat repetitive and uncreative lyrics, and "Love is Dangerous" is no exception. While the song opens very well with a building intro and a catchy beat, it falls into a standard song pattern, leaving listeners anxiously hoping for the end of the song to arrive. The song is not catchy and doesn't make you want to sing along, but at least the background vocals are interesting.

Blink-182 saves the album with two of the bonus tracks, "Fighting The Gravity" and "Even If She Falls." These tracks make good use of the synth instrumentation and have very well-crafted lyrics. "Even If She Falls" returns to Blink-182's original style of their previous albums, and makes good use of lyric progression toward the end.

This song is quite catchy and utilized repetition well.

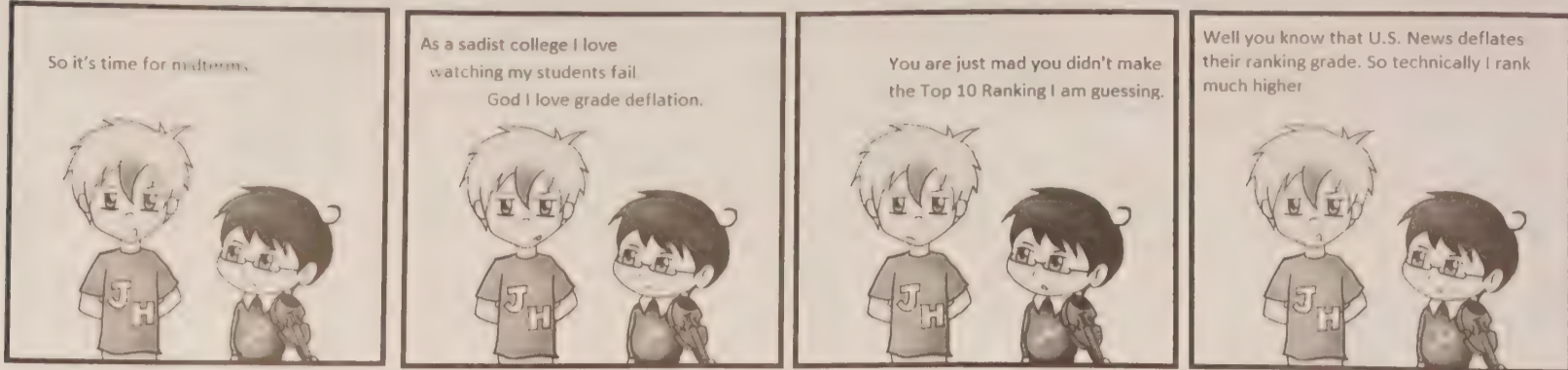
Overall, *Neighborhoods* leaves a bit to be expected after its eight-year gestation, but many fans will appreciate the new tracks and the return of this loved pop-punk band.

—Kallie Drakos and  
Karey Higuera

# CARTOONS, ETC.

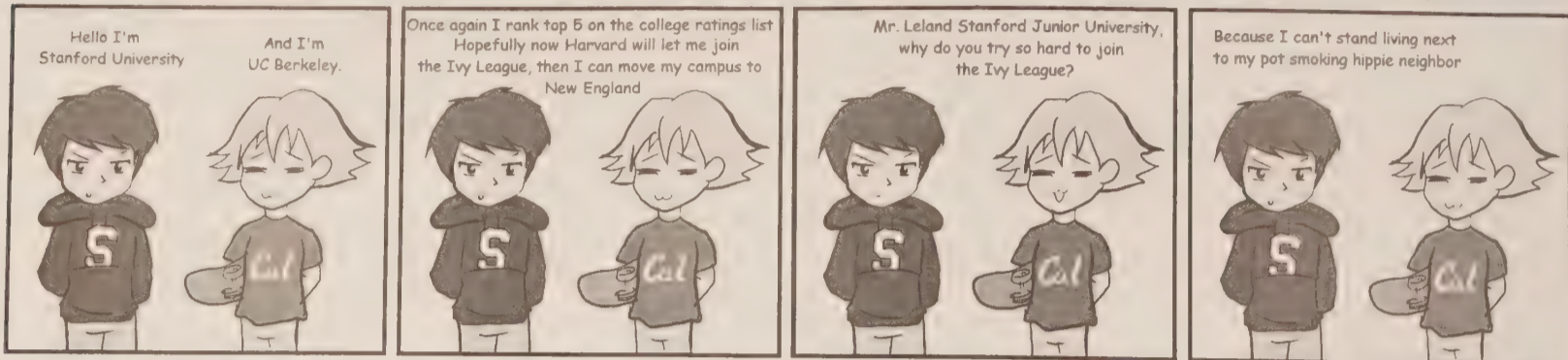
## Blue Jay Brigade

By Kevin Stoll Li



## Archives: Blue Jay Brigade

By Kevin Stoll Li



## WWII South Park Style

By SoPaPhilly



## THE CHINESE SPLIT 1926



## Hopkins Abroad Wordsearch

By Katie Mann



## WORD SEARCH: STUDY ABROAD CITIES

BARCELONA	BEIJING
BERLIN	BUENOS AIRES
CAPE TOWN	LONDON
MADRID	MOSCOW
MUMBAI	OXFORD
PARIS	RIO DE JANEIRO
ROME	SANTIAGO
SYDNEY	TOKYO

B A D R L T D I R D A M O P S  
A U I Y O G D V B M P O R A A  
R S E E N N A F G J K S L Y N  
C M V N D R W L U W H C G Z T  
E U B D O M N O E A C O E R I  
L M R Y N S R G T K L W C V A  
O B Z S C V A N G E F J K L G  
N A E W B N E I U Q P Z U Y O  
A I H F I G Q J R R Y A N D W  
P D S L M B C I F E X H C R P  
S I R A P W V E L T S A S O Q  
O E L O B N A B H O J E G F T  
B N E S T R O C M K L A M X Q  
Y M W E Z C V N B Y L H G O B  
O R I E N A J E D O I R W U R

Note: This represents the split in the Chinese split after the passing the founder of the Republic of China, Sun Yat Sen. The original Kuomintang Party was split into the Nationalist (keeping the Kuomintang name) and the Communist (CPC). While the Kuomintang were into strong Chinese nationalism and tradition, the Communist took after the radical new socialist teachings of the Soviet Union and wanted to create new China.

Though in theory communism and socialism looks good, in reality human nature prevents communism from working. The only way to move forward is to improve, but when everyone is paid the same and the government looks down on those who try to rise above, what's left is a society of people who mooches off the government and works as little as possible.

**WANTED: Artists, graphic artists, humor and joke writers and cartoonists for the Graphics and Cartoons Section.**

Can you draw comics, create digital art, write short stories, humor articles, jokes or puns or want your art published in *The News-Letter*?

Then we want you. For more information, contact: [cartoons@jhnewsletter.com](mailto:cartoons@jhnewsletter.com).

Also see these cartoons in full color at: [jhucartoons.deviantart.com](http://jhucartoons.deviantart.com).

# SCIENCE & TECHNOLOGY

## Background music in surgery assessed

By LINDSEY HUTZLER  
For The News-Letter

Surgeons have long earned a reputation as a terse crowd bent on perfection. Yet the stereotype of this stern bunch operating in a silent and sterile environment has been disputed with the results of a recent UK study. Ninety percent of surgeons surveyed in England reported listening to music while in surgery, and nearly half preferred that music to be rock.

Two studies in the United States have already examined the performance of surgeons while listening to music. In 2008, *Surgical Endoscopy* found that trainees did not perform as well when attempting a difficult operation for the first time. However, a 1994 study published in *JAMA* by researchers from SUNY Buffalo examined the performance of fifty male surgeons between the ages of 31 and 61. Each was required to perform complex arithmetic while listening to a sound track of their choice, and again while listening to Classical music (Pachelbel's Canon in D

Major). Variables measured in the study included heart rate, blood pressure, pulse and performance accuracy.

Oddly enough, surgeon performance on the task, as well as improved vital signs, such as decreased blood pressure, were better when listening to music, particularly if it was self-selected as opposed to Classical. Researchers believe that listening to music of one's selection may indeed lead to improved performance, particularly as it may decrease stress. It also has the added incentive of being used as a "benchmark" for the amount of time remaining in procedures with a narrow time window, such as removing a tumor, according to a surgeon interviewed for the study.

Charles Limb, an Associate Professor of Otolaryngology at the Hopkins School of Medicine, finds that music played in the background at a low volume helps to improve his clarity. "The music is something in the background to help improve the sonic quality of the room,"

SEE SURGERY, PAGE B9



COURTESY OF WWW.MODERNGUIDETOHEALTH.COM  
Playing music in the operating room often improves surgical performance.

## Learning and memory shaped by key protein

By ALEENA LAKHANPAL  
For The News-Letter

You're emerging from D Level at the ungodly hour of 5:30 a.m., hoping to catch an hour of sleep before your next final. After a nap that is too short and a shower that is not quite cold enough to wake you up, you get to the test. The first question goes by without a hitch, and the second one too. You flip through the pages, and so far, it doesn't seem too bad, but then you hit that one halting question.

The answer is right there, on the tip of your tongue. You decide to come back to it at the end, but after finishing the entire test, you realize that you just cannot remember the answer. Blame it on the kibra protein.

For years now, neuroscientists have known that the kibra is a scaffolding protein, helping to regulate signaling pathways involved in memory. The kibra is found in both the brain and the kidney; after having initially been labeled with only a number, scientists dubbed the protein with a half-breed name combining "kidney" and "brain." It is believed that the kibra pathway is essential to constructing and maintaining the neuronal circuits that underlie memories.

Thus far, it is known that the kibra pathway works in the membrane trafficking of AMPA-type receptors, which are extremely excitatory. Membrane trafficking refers to the way a protein uses endocytosis to recycle receptors back to the membrane. In addition to its roles in the kidney and the brain, kibra is also thought to function in regulating organ size during early development.

Originally, researchers determined whether people had a certain isoform of



COURTESY OF WWW.HW.AC.UK

Slower information retention occurred in mice when the gene coding for the kibra protein was eliminated.

kibra and then tested their memory using word recall. Now, at Hopkins, Richard L. Huganir and his lab have further tested the kibra protein. Using mice as test subjects, Huganir has shown that the amount of kibra in the brain affects learning and memory.

"We eliminated this gene in mice and made knockouts, so these mice live and breathe okay, but the physiological process that we study, plasticity and the regulation of receptors, is deficient," Huganir said of their methods. "More importantly, we saw that they learn more slowly, and they have very poor recall the next day while mice with the gene [for kibra] remember very well."

A key term in these trials is plasticity, which refers to how the brain learns from and adapts to its environment. "What we think happens is, when you learn something, a sensory experience comes in, and if it's memorable, pathways are activated and the brain works through 100 billion neurons all communicating with each other that are connected to 10,000 others," Huganir explained. "There are billions, if not

quadrillions of synapses. They form neuronal circuits to control behavior and muscle and to make decisions, so when you learn a new memory, it strengthens some connections and decreases some connections to sculpt a neuronal circuit that encodes that memory. Kibra is involved in that process, stabilizing those circuits in rats, mice and humans."

The implications for the future of the kibra protein are infinite. It has been found to be associated with late-onset Alzheimer's disease, a neurodegenerative condition that results in severe memory loss. Huganir believes that with more research, kibra may have a new, therapeutic use.

"Based on work even before our paper came out, a company was started based on kibra to develop drugs to regulate the kibra pathway," he explained. "This was a small biotech startup, but there's no clinical trial yet. With a scaffolding protein, it'll be hard to find a drug to target it." Huganir expressed the need to understand more about the kibra pathway before any drugs can be developed. "There may be other parts of the path-

way that can be targeted," he said.

A particularly interesting implication of the kibra protein is its role in people with photographic memories. Huganir and his lab are looking into the possibilities of overexpressing kibra in certain mice. "We know that mice lacking kibra are stupid," said Huganir. "Alternatively, do we overexpress kibra and get a smarter mouse?" He went on to explain that in humans, it is not yet clear what the link is between kibra and intelligence. The difference could refer to a varied amount of kibra or a difference in alternative splicing, which would produce different isoforms of kibra that could affect the ability to remember.

The studies on the genes encoding kibra are still young, and there is much to be done before we see results beyond mice memory tests. However, the future is bright for the kibra protein, and perhaps one day, there will be kibra-based therapies for Alzheimer's patients and possibly the sleep-deprived college students who just can't remember the answer to that one exam question.

## Electrons travel on acoustic waves

By CATIE PAUL  
Staff Writer

Ever since 1981, scientists have been dreaming of a computer faster than the fastest supercomputer available today. Quantum computing, the idea of creating a computer that works by taking advantage of the properties of subatomic particles, would make these ultrafast computers available. Although this field is still in its infancy, it has been making quite some progress.

A step forward was recently taken by researchers at the Ruhr University Bochum in Germany, working with other researchers in Tokyo and Grenoble, France. These physicists have been able to transport a single electron from one quantum dot, which is a very small piece of a semiconductor, to another using a sound wave. The sound wave carries the electron along with it, at a speed of three micrometers per nanosecond, to the other quantum dot. Scientists were able to do this with a very high degree of accuracy.

The field of quantum electron optics looks at single electrons. It aims to manipulate electrons at the single electron level. However, electrons are usually tightly packed

together, making isolating and studying them nearly impossible. Fortunately for the field, quantum dots provide a good source of single electrons. While they do contain more than one electron, the electrons within quantum dots can be isolated close to the surface so that one can be trapped by a sound wave.

In the experiment, physicists moved the electron using an acoustic wave from the quantum dot through a quantum channel, where it was kept isolated from all other electrons. It was then deposited at another quantum dot spaced three micrometers apart. Electrodes were used to keep any extraneous electrons from entering the channel. The

dot that the electron leaves is known as the single-electron source, and the dot that it enters is known as the single-electron detector.

Quantum dots are also convenient for use because it is easy to check if an electron is stored on one. A voltage pulse is sent through the single-electron detector to see if there are any electrons present. If there is one present, it is assumed that it came through the channel from the other quantum dot.

Researchers have also found that when starting with two electrons in the quantum dot source, they can transport one or both electrons to the quantum dot detector, depending



COURTESY OF WWW.RUHR-UNIBOCHUM.DE

Physicists were able to transport one electron between two quantum dots.

## Adam Riess, 41, wins physics Nobel Prize

NOBEL PRIZE, FROM A1

"I kept getting this funny sign error and I just assumed it was a mistake. I spent weeks looking for that mistake and I couldn't find it. At some point we decided that maybe this was how the universe really was."

Despite the team's discovery of the universe's acceleration, the identity and qualities of its enigmatic culprit known as dark energy remain largely undefined. Unveiling dark energy will require scientists to peer deeply into the universe with a wider field of view. It is "a juicy problem and you'll win a noble prize if you figure it out. In fact I'll give you mine," Riess joked.

He also stressed the importance of collaboration among scientists in order to make headway in scientific progress. "It's often said that we stand on the shoulders of giants and nothing could be more true in the field of astronomy and astrophysics because we have to use these incredibly powerful, incredibly complicated instruments and facilities that take decades to build," Riess said.

Riess's interest in science developed in high school when he was blown away by a course on special relativity. Science has largely defining his life ever since. Even while getting ready for his honey-

moon, Riess was compelled to email his colleagues about their research. "I get right behind the computer and [my wife] looks up and goes, 'Adam, seriously! On our honeymoon?' And I said, 'this one's really important.'"

Riess views science as a rewarding and exciting adventure, encouraging interested students to get involved in research in any way that they can. "This is a great place to do science,"

he said of Hopkins. "Keep working. We need your help."

The joint discovery is fundamental to quantum mechanics and Einstein's theory of general relativity, thus revolutionizing our understanding of modern physics. In regards to winning the Nobel Prize for his lifework, Riess told his 7-year-old daughter, "It's like getting a great, big gold sticker on your homework."



COURTESY OF KELLY STANDART

Riess demonstrated that dark energy causes the universe's acceleration.

# Human H1N1 virus found in African livestock *Finding contributes to quantum computing*

By ELLE PFEFFER  
For The News-Letter

Researchers at the University of California, Los Angeles, have located the H1N1 virus in animals by conducting nasal swab tests and taking blood samples from domestic pigs in the Cameroon region of Africa.

In one northern Cameroon village, researchers found two pigs with an active infection and throws of others with past infection. In total, 89 percent of the pigs studied in this region had H1N1 virus exposure.

Using an enzyme-linked immunosorbent assay (ELISA) test, the researchers discovered that the pigs had the human H1N1 strain. The virus was identical to the strain that infected people in San Diego during the previous year.

During the spring of 2009, the global population was sent into a frenzy over the spread of a new strain of swine flu called Influenza A, or H1N1. Over 200 countries had citizens infected with the virus, and by June 11, the World Health Organization declared H1N1 to be the first worldwide pandemic in the past 41 years.

According to the Center for Disease Control, the virus caused 60 million illnesses in the US alone, 12,500 of which were fatal.

H1N1 contains genetic elements of swine, avian and human influenza. It was first officially found in Mexico, but federal agriculture officials theorize that it emerged from pigs in Asia and was carried by a human to the North American continent.

American researchers say that the H1N1 virus killed only one of every



COURTESY OF WWW.MIDWESTRESEARCHSWINE.COM

The presence of H1N1 in pigs is dangerous because it contains a hybrid of human and avian influenza strains.

2,000 that were infected. The virus also cooperated with the created vaccines and overall the flu overwhelmed government estimates for a pandemic on scale with the Spanish Flu of 1918.

Nevertheless, H1N1 still grabbed the attention of people worldwide. Federal health officials say that since the swine flu epidemic, 43 percent of Americans over the age of six months have gotten vaccinated for influenza, eight million more than during the 2009 season.

The existence of H1N1 in these swine is so dangerous because swine lend themselves to mixing highly virulent influenza strains that can be transmitted quickly. The mixing of avian and human strains of influenza in pigs creates hybrid strains with the ability to severely infect humans and potentially lead to a pandemic. Thus, if not closely monitored, the H1N1 that a human

gave to these pigs could turn around and become a much more dangerous strain affecting humans and creating a larger pandemic.

As of September 2009, officials said that the virus had not mutated. However, the possibility of a new strain brewing in the African swine is threatening because it could be both more lethal and more transmissible.

An important fact about viruses in general is that they can spread and reach various parts of the world within days. This is of particular concern with the H1N1 virus, as it is primarily an airborne disease.

Moving forward, the researchers contacted Africa's Ministry of Livestock, Fisheries and Animal Industries in order to help limit the spread of the virus.

They will also be among scientists holding a workshop next year in

Cameroon aimed at teaching citizens to raise pigs in a disease-preventing manner. According to the study, freely roaming swine are more prone to infection and certain methods of farming are more dangerous than others.

Of course, the current H1N1 strain is also protected against in the U.S. in this year's flu shot.

Results of the 2009 and 2010 field research that was conducted by Thomas B. Smith, Director of the UCLA Center for Tropical Research, and Kevin Njabo, Associate Director, were published in the most recent issue of *Veterinary Microbiology*.

ELECTRONS, FROM B7 set up around the source. Using the pulses of voltage through the second quantum dot, it was easy to tell whether one, two, or more electrons resided in the single-electron detector. Researchers believe that the ability to be able to separate two electrons is of interest in transporting quantum information.

Another important part of the experiment was keeping the orientation of the electron's spin the same as it was transferred and after it reached the second dot. This could have important implications for creating quantum bits in the future.

The physicists found that electrons in quantum dots keep the same spin

for about 25 nanoseconds and that they could transfer an electron from one quantum dot to another in less than that time. Researchers hope that further experiments will be able to consistently keep electrons moving at the same spin after they are transferred from one quantum dot to another and use this in future quantum bits.

The process used by researchers was revealed to be highly efficient and accurate. Researchers at RUB hope that it can someday be used to produce complex quantum bits. Quantum bits are similar to the bits, strings of zeros and ones, used to store information in regular computers except that they are used in quantum computers.



COURTESY OF WWW.STUDENTS.OU.EDU

Moving electrons using sound waves may be used for quantum bits.

## Science humor: 2011 Ig Nobel Prizes

By IAN YU  
Science & Technology Editor

With all of the attention and excitement that the Nobel Prize announcements this week have attracted, a smaller celebration of science honored some intriguing and fairly humorous work. Recognizing work that may never win recognition from the Royal Swedish Academy of Sciences, the Ig Nobel Prizes demonstrate the lighter side of science and academia.

Presented at Harvard University on Sept. 29 and organized by the science satire journal *Annals of Improbable Research*, the Ig Nobels honor work in the sciences, medicine, literature, peace and public safety. While you might think deeply when examining the work of this week's Nobel laureates, these awards will give you some equally deep thoughts as well as a good laugh.

Here's a recap of this year's winners:

**Biology Prize:** Back in 1985, Darryl Gwynne and David Rentz discovered that males of an Australian beetle species were very attracted to a certain line of beer bottles. The males mistook the bottles for female beetles because of their color and attempted to mate with the bottles.

**Chemistry Prize:** While fire alarms typically rely on a really loud sound and flashing strobes, a team of Japanese scientists came up with an alarm that uses wasabi vapors. The group identified a high enough airborne concentration of the Japanese horseradish that can awaken sleeping individuals, designed an alarm around it, and filed a patent back in 2009.

**Literature Prize:** Ever wondered how you can channel your procrastina-

tion successfully? So did John Perry, a philosophy professor at Stanford University, whose *Theory of Structured Procrastination* encourages people to do something important as a means of not doing something even more important.

**Mathematics Prize:** A number of individuals, including Pat Robertson and Harold Camping, share this year's prize, which recognized the importance of taking care when making mathematical assumptions and calculations. Cumulatively the awardees have predicted the world would end in 1954, 1982, 1990,

nius, Lithuania. In a video posted on Youtube, Zuokas uses an armored tank to run over a luxury car illegally parked on one of Vilnius's streets.

**Physics Prize:** Discus throwers and hammer throwers both spin around in their events, yet only discus throwers get dizzy. Researchers from France and The Netherlands found that this is due to a visual impairment that occurs when discus throwers spin around, causing them to lose their bearings that prevent them from becoming dizzy.

**Physiology Prize:** Are yawns really contagious? Not in Red-Footed Tortoises according to a group of researchers from the UK and Austria. By testing these tortoises for signs of contagious yawning through several mechanisms, they concluded that a contagious yawn involves complex social processes rather than being the result of some simple action pattern.

**Psychology Prize:** Why do we sigh? Karl Halvor Teigen addressed that question in a study he published back in 2008. He found that the act of sighing is an unintentional expression of "an activity, plan or desire that has to be discarded, creating a pause before it can be replaced by a novel initiative."

**Public Safety Prize:** While the odds of any of us driving a convertible with a visor repeatedly flapping down in front of our eyes is quite low, John Senders of the University of Toronto demonstrated how a visual obstruction repeated blocking his vision alters his ability to drive safely on I-495 outside of Boston.



COURTESY OF WWW.IMPROBABLE.COM

The Ig Nobel Prize ceremony highlights humorous achievements in science.

## Turning point for jobs at NASA

By DAN CADEL  
Staff Writer

The Space Shuttle Atlantis successfully completed its last mission on July 21st of this year, officially ending the thirty-year program. With this came a transitional phase at NASA, one that had been predicted for a long time prior. NASA has spent the last generation with its 1970's shuttle technology, to which its veteran scientists and engineers grew accustomed. With the end of the program, it was feared that many technical employees would either retire or leave to work in private industry for higher salaries.

In a recent hearing by the House Committee on Science, Space and Technology, Chairman Ralph Hall (R-TX) expressed serious concern about NASA's future. "If NASA doesn't move out quickly, more and more of our industrial base, skilled engineers and technicians and hard-won capabilities are at risk of withering away," he announced. In addition, Hall was concerned about the future of aerospace if sup-

port for new NASA programs is not strong. "Bright young engineers about to enter our workforce will likely look to disciplines other than aerospace."

According to Roger Launius, Senior Curator at the Smithsonian Air and Space Division of Space History and former Chief Historian at NASA, there are two sides to the issue of losing so many experienced engineers. "We have all of this expertise which is walking out the door," said Dr. Launius in an interview with the *News-Letter*, adding that "we're going to have to rebuild that." At the same time though, these are the engineers "who kept us in low earth orbit for the last 40 years [we need] new perspectives and new ways of doing things," said Launius.

Since the Apollo 17 mission to the moon in 1972, human space flight has been limited to Low Earth Orbit, a region of space defined as between 80 and 200 km above Earth's surface, in which the International Space Station resides.

While the US develops new programs for manned space flight, American as-

tronauts have been riding Russian Soyuz missions to the Space Station. The US agreed to a \$753 million contract for twelve Americans to ride over the next few years.

A new program unveiled recently by NASA hopes to solve the job problem while returning the United States to the forefront of manned spaceflight. The Space Launch System (SLS), planned for completion by 2017, would be the largest rocket system ever built, and would propel astronauts into Deep Space. Possible destinations include the moon, an asteroid, and even Mars.

The effort will require an overhaul of NASA programming and staff. "That rebuild part is actually quite a plus," said Launius, "that's how we went to the moon" in the 1960's. The rebuild will require time and money, though. "You can only grow your experience in an environment like this where you're willing to spend lots of money," said Launius.

Private space companies are another rapidly expanding industry. Companies such as SpaceX and Virgin Galactic have already proved their ability to survive in the field. Private firms are "a factor of 10 cheaper already, factor of 100 within the next few years, and factor of 1000 within the next few decades," wrote Blaze Sanders, graduate student and CEO of Solar System Express, a start-up space technology company.

In developing new space programs, failures and setbacks are to be expected. "The landscape is littered with programs like this that have failed," said Launius. "For advances to succeed though, the public and government officials have to accept that and move on."



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As the space shuttle program ends, jobs at NASA face an uncertain future.

# Protein targets sugars on HIV

New work shows molecular potential for stopping virus from infecting cells

By MICHAEL YAMAKAWA  
Staff Writer

Researchers at the University of Utah have discovered a new class of compounds that strongly bind to the sugar coating of the AIDS virus, making possible a new ointment that could prevent HIV from infecting host cells.

Decades have coasted past scientists who have been working to fight against HIV to prevent AIDS, or acquired immune deficiency syndrome. Despite years of research, only one microbicide has been successful against the prevention of HIV transmission. To prevent sexual transmission of HIV, production of microbicides have been gearing towards gel or cream products that can be vaginally applied by women.

Although there has been increasingly common knowledge of HIV prevention by condoms, reduced amount of sexual partners and diagnosis, the HIV virus is spreading at a drastic rate, especially in the developing countries. Unfortunately, the most feasible methods are out of reach for women in the resource poor settings. As an alternative to condoms,

microbicides offer a very feasible method of primary prevention.

Microbicides can work in different ways, depending on their target. Some provide physical protection that keep HIV and other pathogens from entering the system, while others boost the vaginal defense mechanisms, such as maintenance of the acidic environment. Many pathogens cannot function in such conditions.

The replication of HIV in a host is a multi-stage process, each of which is crucial for the success of its survival. Conversely, targeting each step is crucial for the success effective drugs.

In order to infect a cell, HIV first binds to a host cell within the immune system, such as the CD4+ T-lymphocyte, a type of white blood cell. It then inserts its hydrophobic terminus into the cell membrane, pulling the viral capsid into the host cell. The capsid, a protein coating surrounding the virus, contains 2 RNA strands and the enzymes integrase, protease and reverse transcriptase.

Reverse transcriptase begins the reverse tran-

scription, creating its own double-stranded DNA from the RNA single strands. Integrase cleaves the DNA to create two sticky ends, and then facilitates the viral gene to integrate into the host DNA. When the host DNA is activated, transcription and translation occurs - this expresses the viral gene and produces some of the proteins encoded by the viral DNA.

Then the protease cleaves longer proteins into smaller core proteins, which is crucial to create an infectious virus. Two viral RNA strands and replication enzymes, transcribed from the viral DNA, gather while core proteins surround them, creating a virus that can diffuse out of the host cell and infect other cells.

The compound for the potentially new microbicide, discovered by researchers at University of Utah, does not attack the core machinery of replication, but blocks the first step: the binding of the HIV to host cells. Lectin is a natural molecule derived from plants. However, due to its excessive cost to purify, the researchers synthesized lectin based on a compound called benzo-boroxole, or BzB, a compound that sticks to the sugar-coating found on the HIV envelope.

Initially, BzB-based lectins bonded too weakly with the sugar molecules on HIV to be deemed useful as a drug compound. However, they increased bonding potential by designing a polymer, a larger molecule made up of a chain of the same molecule, of lectin. This substantially amplified the binding power to the AIDS virus, reducing viral activity.

The researchers also found that these lectins fought against a broad spectrum of HIV strains, indicating a defensive mechanism that targets the sugar molecule of HIV, regardless of variations in viral envelopes. They also tested lectins in the presence of fructose, a sugar present in semen, which could compromise lectin activity by acting as an alternative binding site. However, test results have indicated no change in activity.

According to the research team, the BzB lectin protein may fit the criteria for an ideal anti-HIV microbicide and could be a very ideal method of HIV prevention for women around the world.



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Researchers demonstrated the potential of a cloak to shield an object from detection by magnetic fields.

## Invisibility cloak hides magnets

By MO-YU ZHOU  
Staff Writer

While invisibility cloaks are still mostly associated with fantasy (and Harry Potter), physicists and engineers have already developed rudimentary invisibility cloaks that shield objects from light, sound, and water waves. Now, they have moved cloaking technology another step forward with the development of a cloak that can shield an object from a static magnetic field, keeping the field undisturbed – an anti-magnet cloak.

Protecting an object from a constant magnetic field using a superconductor is relatively easy. When a magnetic field is applied, a conductor will cause currents to flow and counteract the applied field. An ordinary conductor has resistance and, thus, such currents will quickly be suppressed. However, a superconductor, which is a material that carries electrical current without resistance when it is cooled close to absolute zero, allows such currents to continue flowing.

Thus, it creates a magnetic field that cancels out the applied field, resulting in a total field within the container of zero. If a superconductor is used to encase an object, it should be able to shut out a magnetic field.

However, this is insufficient to create an antimagnetic cloak. Outside of the container, the superconductor will produce a field altering the applied field, thus making its presence known. If a field can be thought of in terms of lines

of force, a superconducting shield creates a hole in the distribution of the lines by pushing them outward. In order to make an antimagnetic cloak, it would be necessary to counteract such a distortion.

In 2007, John Pendry of the Imperial College London, who co-invented the idea of cloaking, proposed that a cloak for static magnetic fields could be made using a material that would attract magnetic fields in one direction while repelling them in the opposite direction. Unfortunately, such a material does not exist.

However, recent research by Alvaro Sanchez and his colleagues at the Autonomous University of Barcelona, published recently in the *New Journal of Physics*, suggests that there is a way to approximate such a self-contradicting material. If their hypothetical material can be realized, it could have medical applications. The researchers propose wrapping a cylindrical shell of superconductor in layers of different materials, each of which will perform one job at a time.

Certain layers, easily magnetized, can pull outside magnetic field lines around the cylinder. These would be made out of tiny magnetic particles such as submicroscopic iron filings, mixed into a nonmagnetic material like plastic. These layers can alternate with other layers of superconducting plates that push on the field so that it will not come straight towards the center of the cylinder.

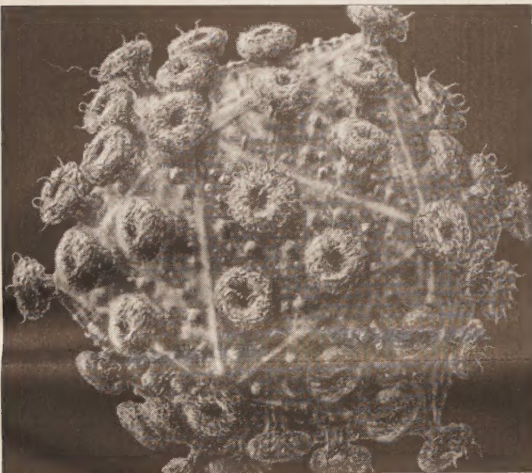
The cloak can accom-

modate fields of any shape or strength, limited only by the capabilities of the superconductor (too strong an external field could compromise the resistance-free state of the superconductor). With ten layers, the cloak could work almost perfectly, although even four layers would be effective. In addition, while a closed cylinder shape works best, an open cylinder or plate would also suffice.

This cloak causes no distortion in an applied external magnetic field, unlike a simple superconductor container. It could alternatively be used to conceal a magnetic object, preventing its magnetic field from extending outward, which could potentially compromise magnetic security tags used by retail stores.

In a more exciting development, the antimagnetic cloak developed by Sanchez and his fellow researchers could have medical applications. Currently, electronic implants create distortions up to 15 centimeters across in magnetic resonance imaging (MRI) images. If those implants were covered in a magnetic cloak, the image would be improved, and the patient and implant would also be protected.

A team at the Slovak Academy of Sciences in Bratislava led by Fedor Gömöry is looking to create a version of this hypothetical cloak, having already gathered the necessary equipment. Gömöry believes that an experimental confirmation of this antimagnetic cloak could be reached within a few months.



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BzB lectin polymers bind to sugars on HIV, preventing cell infection.

## Music is a staple of some operating rooms

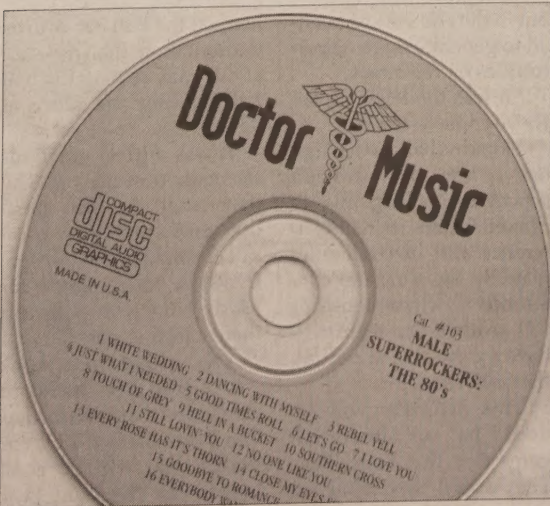
**SURGERY, FROM B7**  
Limb wrote in an e-mail to the *Newsletter*. "The OR is a noisy place full of monitors, drills, buzzing, talking. Sometimes a little music makes it a better working environment. But it's different for all surgeons."

While some may be concerned about the distractions of music in this environment, it may come as a relief that only one-fourth of respondents felt that it hindered communication during a case. Quarrels over what to play and the volume of the music were more common. And, thankfully, music was silenced at the first sign of struggle during a case. Limb pointed out that there are numerous considerations to take into account when deciding whether or not to play music, such as the surgical sit-

uation, as well as "making sure the music improves team performance rather than detracts." He often finds music to be helpful for trainees to get past basic anxiety that they may have.

Music may also be beneficial for patients undergoing surgery. A 2008 study found that those who listened to it while waiting for general anesthesia to take effect prior to surgery required only half as much anesthesia and had shorter recovery times.

While playing music during a case has become common among surgical teams (nearly three-quarters surveyed said they regularly worked in operating rooms which typically played music), the verdict is still out as to what type of music is best to play in terms of decreasing stress and improving performance.



COURTESY OF WWW.AVAXHOMEWS  
In addition to helping surgeons operate, music may benefit patients.

## 2011 Nobel Prize Roundup

As of Wednesday, the Nobel Prize committee has announced the recipients for three of the Nobel Prizes, with Literature Prize due to be announced today, the Peace Prize on Friday and the Economic Sciences Prize on Monday.

- Physiology or Medicine:** This prize was split between Jules Hoffmann and Bruce Buelter for their work on innate immunity and Ralph Steinman for his work on the role of dendritic cells in immunity. Hoffman, who recently served as the President of the French National Academy of Sciences, the roll of the Toll gene in the ability of fruit flies to combat infections back in 1996. Buelter, currently a professor at the University of Texas Southwestern Medical Center in Dallas, identified a receptor in mice similar to Toll that could bind lipopolysaccharide, a molecular product of bacteria. Steinman, affiliated with Rockefeller University in New York, had discovered dendritic cells in 1973, and through later work showed that they activate T cells, a group of immune cells important in the immune response. Unfortunately, Steinman passed away from pancreatic cancer last Friday while undergoing an experimental treatment he had been developing. The Nobel committee has decided to let his award stand.
- Physics:** For their combined work resulting in the finding that the universe is expanding and that it is expanding at an increasing speed, this year's prize in physics was split between Saul Perlmutter, Brian Schmidt and Adam Riess. Perlmutter established one team at UC Berkeley in 1988, while Schmidt started another team at Harvard in 1994, with Riess playing an crucial role, to map out the Universe by finding the most distant supernovae. Their findings on the accelerating speed of the universe's expansion lead to the hypothesis that this was driven by dark energy, which still remains a mystery. Schmidt has since moved on to the Australian National University, while Riess took up a professorship here at Hopkins.
- Chemistry:** Awarded to Dan Shechtman of the Israel Institute of Technology for his discovery of quasicrystals, a finding that had altered the understanding of solid matter by chemists. While crystals are formed by repeating, symmetrical patterns of atoms, Shechtman observed a crystal that had a pattern that could not be repeated, reminiscent of aperiodic mosaics that are found in Arabic art. His original findings got him the boot from his research group while he was working in America, but scientists were later able to reproduce quasicrystals in the lab and identified them in mineral samples from a Russian river.

## SPORTS

# The Major League fight for October's glory

BY JEFF LYNCH  
Staff Writer

The seasons are changing, and the calendar has turned the page to October, which could only mean one thing for baseball fans across the country and around the world: playoff time.

Starting from early April, each team played 162 games apiece over the course of the next six months all culminating in a month's worth of excitement and tension in playoff baseball.

30 teams across two leagues and six divisions began the journey, and a mere eight of them advance to post season play.

In the National League, the Philadelphia Phillies were the champions of the East division, and finished with a franchise record 102 wins with 60 losses, finishing with the best record in all of Major League Baseball.

The Milwaukee Brewers ended the season as the number two seed in the National League by winning the Central division, and the Arizona Diamondbacks clinched the third seed in the big dance, capturing the NL West title over the defending world-champion San Francisco Giants.

In the wild card slot, the St. Louis Cardinals combined a torrid September with a collapse of epic proportions by the Atlanta Braves to win the final playoff spot on game 162 of the season.

In the land of the designated hitter, the New York Yankees wrapped up the top spot with the best record in the American League capturing yet another AL East title.

In their footsteps, the Detroit Tigers cruised to the AL Central title riding the wave of a superb September that included a 12 game winning streak.

The reigning American League Champions and World Series Runner-ups, the Texas Rangers, return to the playoffs for a second straight year riding one of the most potent offenses in all of baseball to a relatively easy AL West

title.

In the wild card, the American League mirrored the National League with the Boston Red Sox falling victim to a September swoon of epic proportions, relinquishing a 10 game lead with a month to play to the division-rival Tampa Bay Rays.

The first week of playoff baseball has come and gone, with each game more hotly contested than the previous. As of Wednesday, only one series had come to completion, with the Rangers handling the Rays in the five game series, three games to one.

The Yankees, led by manager Ron Washington, kept their composure after dropping the first game of the series at home to the Rays who seemed to be riding a wave of destiny following their miraculous September onslaught. The Rangers went on to win the next three games including two at Tropicana Field in Tampa Bay, FL.

The Yankees and Tigers have scratched and clawed over the first four games of the series, splitting them two games apiece, with a decisive fifth game set to be played Friday night in the Bronx.

In a series that features two of the game's premier pitching icons in the Tigers Justin Verlander and the Yankees C.C. Sabathia, each game has come down to clutch hitting in big spots.

The fifth game will be quite a spectacle, as two of the best managers in the game, Jim Leyland for Detroit and Joe Girardi for the Bronx Bombers, go head to head pulling out all the stops to win the most important game for either team all year long because it's win and move on or lose and season ends.

Both the National League Division series are still up for grabs as the Brewers and Phillies retain two games to one leads in their respective series.

The Brew Crew and the Phightin' Phils look to move on to the NLCS on Wednesday night as each team plays away games with a chance to clinch the series.

However, do not count out either the Cardinals or the Diamondbacks because as baseball has shown us time and time again it is anybody's game, and any team can win on any given day.

In fact, the Cardinals brought their series to a fifth game by winning on Wednesday night. The Diamondbacks took a note of the events just when their game was set to start, grabbing a win and forcing a fifth game in their series as well.

## Players to watch for:

In the American League, from an offensive standpoint, no player has helped his team more than the Rangers Adrian Beltre.

In the final game of their series, a 4-3 win at Tampa Bay, not only did Beltre hit his first career post-season homerun, but he followed it up with two more.

His three homerun performance goes down in the record books as one of the most impressive offensive displays in the history of the MLB playoffs.

In the National League, the Phillies Hunter Pence is making his first ever appearance in the playoffs after being acquired in a trade from the Houston Astros which transferred him from the worst team in baseball to the team with the best record. Pence had a phenomenal year at the plate, hitting .314 on the season with 22 homeruns and 97 RBIs.

Many people think that Pence is the final piece the Phillies needed to complement their big left handed bats in Chase Utley and Ryan Howard to make a push for the team's second World Series title in the last four years.

Look for Pence to thrive in his new spot in the lineup, the third position, right smack in the middle of Utley and Howard when teams bring in shut-down lefties, off of which Pence hit .317 with a remarkable .590 slugging percentage this season.

## World Series Prediction:

Phillies over Rangers in six games.

Picking an American League champion is very difficult, but the Rangers simply have it all.

Solid starting pitching, an outstanding bullpen, and in this writer's opinion, the best lineup in the AL, the Rangers will wear down teams who lack in any of those categories over the course of a seven game series, and will emerge with their second straight AL pennant.

In the NL, no team has shown from the very conception of the season that they are the team to beat until proven otherwise than the Phillies.

The starting rotation, headlined by two former Cy Young Award winners including the defending award winner in Roy Halladay, had the best ERA for a starting staff in the last 22 years.

Combine that with the freshest bullpen in all of baseball based simply on the amount of innings pitched, and a lineup that includes two former MVPs, three Gold Glove winners and seven All-Stars (with the exception of All-Star snub catcher Carlos Ruiz) and you have one of the most dangerous teams in the history of baseball.

Not only are they great on paper, but they proved it over the course of 162 games, and will not be stopped by any team in the post-season field.

The Phillies will win their third pennant in the last four years and second World Series in that same span, rewarding their fans who have sold out more than 200 consecutive games over the last two seasons with another parade down Broad Street in the City of Brotherly Love.

What really happens at the end of this season? We'll have to wait and see. I, for one, am crossing my fingers to see a Phillies victory.

If there's anything that so many writers and sports enthusiasts have discovered, it's that baseball loves to be unpredictable.

Tune in and see who wins the coveted gold.

# Women's Soccer remains undefeated through ten

By BRETT SCHWARTZ  
Staff Writer

The Hopkins women's soccer team won both games this past week to extend their undefeated record to 9-0.

The team defeated Muhlenberg 3-0 and Swathmore by a score of 3-2. The sixth-ranked Blue Jays are now 19-1-1 all-time against Swathmore.

The girls' soccer team is satisfied with their undefeated record and believes they will have continued success going forward. The team is especially happy with the amount of shutouts they have tallied, as it is a good indicator of time of possession and strong defensive play.

"I am extremely satisfied with our team's performance this year so far," senior Paulina Goodman said.

"We've come out with nine wins and zero losses. Unfortunately we broke our shutout streak against Swarthmore- they put up a hard fight and were able to break through us."

Goodman believes the game was a wake-up call of sorts for her team, as she hopes the team will limit any opponent's chances going forward.

Senior captain Erica Suter agrees with this sentiment and knows how much pressure comes with having an undefeated record.

"A lot of pressure comes with being 9-0 because obviously everyone is out to get us," she said. "A perfect season is a very hard thing to do. I did it once my junior year of high school and my team went 20-0-0. It is a long road and is very draining but totally worth it."

As the semester progresses and schoolwork picks up, the team believes this part of the season has a different feel to it.

"These games are different from earlier games in that it takes a bit more effort to come out hard; we all have more school work and therefore need to try and leave that off the field as much as possible,"

Goodman said.

"That being said, it's all about consistency. No matter how deep in school work we are, every game needs to be played with the same intensity and focus."

The team believes they have a few weaknesses they need to improve on in order to attain the goals they set for themselves. One of the main goals is consistent defense throughout the remainder of the season.

"Our team needs to work more on defense," Suter said. "That is not specifically the defensive line in the back, but the entire defense of the team. It starts with the forwards pressuring up top and then the backs covering for us when we lose the ball. As long as we stay tight as a team, we will not allow a lot of goals."

Echoing Goodman's statements, Suter believes the team must stay mentally tough as well. "Again, the mentality of each individual player will go a long way. Just making that extra five yards to sprint back if we lose the ball helps the team so much. If everyone adopts that mindset, we will be unstoppable," she said.

The team will host Franklin & Marshall this Wednesday in search of maintaining their undefeated streak. While the girls are happy with their success this season, they expect it to continue all the way to the NCAA Final Four in Texas.

"I expect us to keep winning," Goodman said. "There's no doubt we are talented enough to do it, and we all know it."

The Hopkins women jumped back into action during their game on Wednesday night.

They didn't let up against opponent F&M (5-2-1). Suter was honored for her record breaking season with a game ball inscribed with her name, signifying her record stats.

The Diplomats came into the game on a five game win-streak, only to be met with defeat at the hands of the Blue Jays. After a relatively quiet first half (0-0), the Hopkins offense kicked in, marking up five unanswered points to finish out the game.

The first Hopkins goal came little more than two minutes into the second half. Freshman Hannah Kronick skipped a nice ball to Goodman to put Hopkins on the board.

Only a couple minutes later, Kronick was on the receiving end, scoring on a wonderful pass from Suter. The ball was netted with ease as the Diplomats' goalie failed to stop the play. The next three goals came in a short span of just five minutes.

Leading off the trifecta of goals was Erica Suter on a pass from sophomore Pam Vranis, in what proved to be an unexpected but great shot. Then Vranis got her chance when fellow sophomore Christina Convey hooked her up with a great ball for goal.

Ending the set of scores was Suter, who received a ball from Convey. Suter hooked the ball backwards without more than a glance at the goal, netting the ball and settling the score at 5-0.

It was a great game for the team, proving just why they stand in their position and what they want to accomplish this season. It was a tough game for F&M, who just came off their winning streak.

The squad gets back into action this weekend at Ursinus on Saturday. The Bears are 4-6-1 on the season and will be challenged by the Blue Jays, who are looking for their 11th win.

# Field Hockey strong against #3 Franklin & Marshall

BY CLAYTON RISCHÉ  
Sports Editor

Our field hockey squad travelled to Swarthmore last weekend to face off against the Garnet. The Jays rallied late but were unable to overcome to deficit as the Swarthmore women held them off to win 3-2.

It was a tough loss for the women, who have been seeking to improve their conference standing and build towards a strong run at the Centennial Conference championships.

The women went came into the week with a no-prisoners mentality against their opponents.

"This week we have nothing left to lose. No matter who our opponent is we better be ready to play," junior Lianne Tellier said.

"I'm 100% confident in everyone on our team and I'm excited to prove ourselves in the next few games."

Swarthmore got on the board early and brought the score to a 3-0 lead just before the end of the first half. It wasn't an impossible deficit for the Jays to overcome in the second half.

Hopkins came out with some steam in the second half, bringing the score within one point af-

ter goals from sophomore Meghan Kellet and junior Maggie Phillips. The second goal came with less than three minutes to play.

The main difference in the game came in scoring opportunities, with Swarthmore leading Hopkins 19-9 on shots taken. While this was a close loss for the team, it didn't kill their spirit, as they moved on to face a much tougher opponent during the week.

Franklin & Marshall came to Homewood Field on Wednesday to play against the Lady Jays in what proved to be a heated contest. Needless to say, the third-ranked Diplomats presented a challenge to the seasoned Hopkins squad.

First goal snuck in as the ball rolled off the top of the F&M goalie's foot. It was a nice look from the

combined efforts of junior Sam Stuek and senior Annie Shepard, who marked up an assist and a goal, respectively. The game contained a

lot of back and forth possession between the Diplomats and the Jays. For the first 20 minutes of play, senior goal keeper Kim Stein held a strong front along with the Hopkins D.

With just over 14 minutes left in the half, F&M

struck back against Hopkins with a goal that snuck in to the bottom right, just past the reach of Stein. The play occurred on a corner just after a Hopkins foul.

The Diplomats struck again with 6:15 left in the half, bringing themselves up by one with just minutes to go. The Jays tried for a final push before the end of the half, but came up short after coming close in the last minute.

After the first half, Hopkins has posted one goal on two shots, with the defense providing eight saves. F&M's stats proved a bit different, with two goals, 14 shots, and just one save.

Our ladies had to prove it to the Diplomats in the second half. The pressure was on after Franklin & Marshall went up by one.

The second half was dominated by scoreless minutes. F&M continued to pound shots in on the Hopkins goal, but was denied an every occasion.

At the end of the game, the Blue Jays lost with six shots and 14 saves versus F&M's 25 shots and four saves. The stats say a lot in terms of Hopkins's defensive performance. The team



Field Hockey has had a tough run so far, but will finish strong.

did a great job controlling the ball in the middle and back end of the field. However this wasn't quite the story with the attack.

Just like the Hopkins D, Franklin & Marshall also put up a great wall to prevent scoring opportunities for the Jays. Despite the few opportunities presented to the Blue Jays, they still managed to net one goal in the contest.

It ended as a great game for the Jays, who have seen their share of challenging opponents in the Centennial Conference this season. They also had a tough game in Salisbury in mid-September.

Despite the loss, the team looks forward, taking their defeat against F&M in stride. "I think our team

FILE PHOTO

## SPORTS

## ATHLETE OF THE WEEK

### JESSICA HNATIUK - WOMEN'S SOCCER

By RYAN KAHN  
Staff Writer

Hopkins women's soccer has been quite the spectacle this year. Between an exasperating offense, lockdown defense, and goalie performances that have resembled a stockade, the Blue Jays leave most of their opponents with little hope after the opening minutes.

That was, until the Blue Jays traveled up to Swarthmore, PA to take on their conference rivals, the Garnet. Hopkins had a 2-1 lead going into halftime, but with just nine minutes remaining, Swarthmore took advantage of a misplayed ball to tie the game at two.

With an undefeated season on the line and barely 100 seconds left on the clock, it was senior defender Jessica Hnatiuk who stepped up and drilled a header off of a corner kick into the top right net, securing the Blue Jays ninth consecutive victory.

The clutch performance was hardly surprising given the Baltimorean's track record of success. An alum of nearby John Carroll high, Hnatiuk has been one of Hopkins' key contributors since she moved down the road to Homewood.

As a sophomore, Hnatiuk started all 23 games for the black and blue and was honored with the Centennial Conference Player of the Year award. Last year as a junior, it was more of the

same from Hnatiuk who started all 24 games at center back and helped lead the JHU defense that tallied 12 shutouts and surrendered just 17 goals all year.

This earned her NSCAA all-Mid-Atlantic Region second team honors and first team all-Centennial Conference honors.

And things have not changed in 2011. Almost halfway into her senior season, Hnatiuk is the head of a defense with six shutouts, and after this weekend, now has a game-winning goal to her name as well.

Her leadership has also helped the Blue Jays settle in at sixth in the most recent national rankings.

Hnatiuk has certainly had a big hand in the Lady Jays impressive start, holding down the defense, but she is quick to mention the role her teammates have also played.

### VITAL STATISTICS

**Name:** Jessica Hnatiuk  
**Year:** Senior  
**Major:** Biology  
**Position:** Defender  
**Hometown:** Baltimore  
**Favorite Food:** Beef Tenderloin  
**Favorite Movie:** Miracle  
**Person want to meet:** Lionel Messi  
**Future Plans:** Master's Degree in Biology

huge role in the team's success. Freshman Hannah Kronick and sophomores

Pam Vranis, and Christina Convey have also played



COURTESY OF MORGAN YANG  
Hnatiuk knocked in the game-winner against Swarthmore.

crucial roles early in the fall. Without the senior leadership of Hnatiuk and her classmates, however, the level of comfort and play of these underclassmen may not be where it is today.

"Being a senior on the team, I try to bring experience and leadership," Hnatiuk said. "I try to help the team win in every way possible."

This was evident in her goal this past weekend; refusing to take no for an answer, Hnatiuk came all the way up from defense to preserve the winning streak.

"So far things have been going very well," she said. "We have hit some road bumps, but the mark of a good team is one which can pull through even when adversity is staring them in the face."

Along with team chemistry, Hnatiuk believes a lot of the success comes from the team's constant work ethic.

"A lot of our success so far this season has come from our hard work since the beginning of preseason," the defender said. "We had a goal to make it to the National Championship and everyone is determined to give what it takes to get there."

"Also, we are a very close team off the field. We all get along very well which makes the chemistry great thus making the team closer as a whole."

Hnatiuk spoke highly of the team's morale right now, saying, "we are all pleased with how the season is going thus far, but we know that we still have a long road ahead."

After their romp of conference foe Franklin and Marshall on Wednesday night, Hopkins may just be heating up heading into their match-ups with Ursinus TCNJ next week.

"One of the things the team needs to work on to make it to the National Championship is take every game seriously. Coming out to every game with the same mental attitude is a complicated task, but we need to stay focused for our goal of a National Championship. If we stay focused, no team can stay with us."

With shutouts, goals on goals, and numerous Centennial Conference player of the week awards already, this Blue Jay team has been able to do it all.

So be sure to cheer on your Lady Jays at the next home game against Dickinson on Oct. 19.

## Coleman, White net goals in overtime victory

By RYAN KAHN  
Staff Writer

Not even the rain could slow down the men's soccer team on Saturday as they looked to continue their hot streak and remain tied at the top of the Centennial Conference.

Though they had a slow start to the season, the team has picked it up as of late with hopes to make a push into the playoffs.

After a couple of losses at Richard Stockton, Coach Appleby gave a speech that turned the team around.

Freshman Kotaro Mitsuhashi explains it as hard hitting.

"[Coach] told us we need to pick it up and start winning games, since we are not guaranteed a spot in the NCAA tournament," Mitsuhashi said.

The Blue Jays took that advice to heart in their rugged victory over conference rival Franklin and Marshall.

Senior forward Sean Coleman came off a recent injury and stepped in to prove his senior leadership, scoring in the 96th to put the Blue Jays ahead for the overtime victory, 2-1.

The game started with quick offensive pushes from both sides, but junior defender Nick White was the first to strike in the 12th minute, putting the Blue Jays up 1-0.

Freshman midfielder Rob Heuler took a long ball over Franklin and Marshall's defensemen to put a nice pass into White.

White played it nicely, one-touching to settle the ball, he then pinpointed a shot into the low side of the far post.

Not only was it a big shot in the game, but it was also a big shot for White, as it was his first goal of the season.

With strong defense and a midfield presence, Hopkins held its 1-0 lead into the second half. By the time the 75th minute came rolling around, the rain had begun its descent.

With the Diplomats awarded a corner kick, Alex Grassi booted one into the box.

Freshman goalie Nick Cerrone popped out in an attempt to clear the ball but lost control.

The Diplomats took advantage of the free ball and were able to get a shot off, but a Hopkins defenseman was there for the deflection.

Unfortunately, the deflection went straight to Jacob Miller, who was able to put it in the back of the net, tying the game at 1-1.

But the Blue Jays came back chomping at the bit to take back the lead. In the 80th minute, junior midfielder Brandon Sumpio shot a bullet from 20 yards out.

Zach Fernberger, the Diplomats' goalie, was able

to get his hands on it for a nice stop to keep the game tied. The past six times that these two teams have met, it has gone to overtime for five of them.

This game would be no different. A big game for both teams with Centennial Conference implications on the line, both offenses came out firing.

Hopkins came out stronger with Coleman scoring his eighth game-winning goal in the past two seasons.

Heuler picked up his second assist of the night as he had a nice feed to Coleman, who then proceeded to rocket one into the top left corner.

The Blue Jays snapped their four-game losing streak to the Diplomats, controlling most of the offensive side with a 7-5 edge in shots and a 4-2 edge in corners.

The loss was Franklin and Marshall's first home loss since Sept. 4th, 2010, finishing a streak of 10 games. The rivalry proved to be a close one again, as this was the 14th time in the last 15 meetings between these teams that has been decided by one or fewer goals.

The big win put the Blue Jays at 3-0-1 in the Centennial Conference where they remain tied at the top heading into their non-conference contest with interstate foe Salisbury on Wednesday afternoon.

Part of the Jays four-game road trip that began Wednesday, Sept. 28 at Gettysburg, Hopkins travelled to Salisbury, marking the 10th time in the last 11 years the rivalry was played on opposing soil.

The Seagulls entered the game ranked 18th in the country and lived up to that honor by besting the Blue Jays, 2-0.

In what has become typical Hopkins fashion, the first half was a defensive struggle. Neither team was able to sneak one into the net, and the two teams combined for just three shots.

In the 55th minute, however, Salisbury's Trevor Sharpe would put the Gulls ahead for good, knocking one past Hopkins' Cerrone.

The Blue Jay defense kept Salisbury at bay for the next 30 minutes, as Cerrone made a career-high six stops in the loss, but could not even the score. Sharpe would score again in the 85th minute, the final score of the 2-0 affair.

Hopkins will complete its four-game road swing and return to Centennial action on Saturday at Ursinus. The Blue Jays are 17-1 against the Bears in the regular season all-time and hope to keep pace with Gettysburg who will take on Swarthmore on Sunday.

## Donohoe, Metalios jump start V-Ball

VOLLEYBALL, FROM B12

The Garnet were winless in their two prior five set matches as well, and

fortunately would remain that way. The fifth is only played up to 15 as opposed to 25, and thus an early lead is even more significant. In the closest match played by both teams this season, the Jays' found themselves down to their final point as Swarthmore held a 14-12 lead.

The Jays responded with a three-point swing to take a 15-14 lead. Swarthmore countered with resilience of their own, evening the score at 15 apiece.

A huge kill from freshman middle hitter Katie Bronson gave the Jays a 16-15 lead, which they followed up with the game winning point to earn a valiant 3-2 victory.

The freshmen stepped up once again for the Jays, with Donohue's 18 kills and Metalios' 12 digs coupling her 40 assists.

On Wednesday, Hopkins eased by Franklin and Marshall, 3-0, breaking a first-place tie between the teams in the Centennial. Hopkins has battled through their tough schedule so far and will continue to be tested with four of their next five games against conference foes.

Hopkins will return home October 15 against Haverford.

## X-Country races in D-I atmosphere

By ASHLEY MILLETTE  
For The News-Letter

Last Friday many Blue Jays took to the warm indoors as temperatures dropped and the incoming October weather began to push out the last remnants of summer. But not the Hopkins cross country team.

Along with men and women's head Coach Bobby Van Allen, the Jays made the three-hour haul out to Lehigh University in Bethlehem, PA where they competed in the 36th annual Paul Short Invitational.

The competition, which was their fourth of the season, proved to be an excellent venue to showcase Blue Jay talent with both teams placing well overall and individually.

The men's team competed in the Brown Race, which comprised 46 schools, and finished in ninth place overall. That finish was no small feat considering that the Paul Short Invitational is considerably larger than most of the competitions the Jays have been in thus far this season and was host to several top Division-III programs like Elizabethtown and Nebraska Wesleyan.

Individually, sophomore Max Robinson was Hopkins' premiere performer with a time of 26:15 and 26th-place finish out of 382 runners. Freshman Daivik Orth took 71st place with a time of 26:49, successfully appointing him JHU's second best runner of the weekend.

Robinson and Orth were

followed by grad student Brett Schwartz and senior Andrew Yen who also finished one after another in 92nd and 93rd place.

Sophomores Ricky Mulroy and Julian Saliani along with junior Josh Budman also finished in the top 100, putting all seven performers in the top 26th-percentile.

The women's squad, on the other hand, competed in the Gold Race. Hopkins was one of just two D-III programs in the race along with St. Lawrence. While some might consider competing against Division-I schools a bit of a hindrance, the Lady Jays didn't seem to be phased.

**I want to keep running fast and build up my times**  
-HANNAH ECKSTEIN, FRESHMAN

Freshman Hannah Eckstein finished as JHU's top female performer with a time of 22:30 and 143rd place finish out of 396 runners.

Fellow freshmen Lindsey Sanborn and Ashley Murphy finished as Hopkins' second and third best runners, sharing a time of 23:04 and taking home 189th and 190th place overall.

As a team, the Lady Jays finished in 29th place out of 45 participating teams.

Eckstein, who has already been named a Centennial Conference co-runner of the week, has high hopes for this season.

"I want to keep running fast and build up my times," the New Jerseyan said. Eckstein, who has been running cross country since her freshmen year of high school attributes her success to her workout routines. In high school, she ran shorter distance,



FILE PHOTO  
Men's soccer grabbed a win in overtime during Saturday's game.

# SPORTS

**Did You Know?**

Junior men's tennis star Andy Hersh won the ITA Southeast Regional singles title this weekend. He is now fourth in school history in singles wins.

**CALENDAR**

SATURDAY  
M. Tennis vs. Amherst, 12 PM

WEDNESDAY  
Water Polo vs. Navy, 4 PM

## Football flawless through first five

By JARED FRYDMAN  
Staff Writer

The Hopkins football team traveled to Juniata on Saturday in attempt to improve to 5-0. The hosting Eagles were no match for the high-powered Blue Jays as Hopkins rolled to an emphatic 34-0 victory.

The win was highlighted by an incredible defensive performance, as Hopkins held Juniata to just three first downs and 37 yards of total offense.

The Blue Jays are currently sitting on a ten game winning streak dating back to last season, the second longest active streak in Division-III football. Hopkins improved to 4-0 in the Centennial Conference with the road victory.

Early on in the first quarter, both teams struggled to gain any momentum on offense. The first three drives for each team ended in three-and-outs, as the ball was punted away six times before either team saw a first down.

With just under four minutes remaining in the first quarter, a little bit of life was breathed into the Hopkins offense. Sophomore quarterback Robbie Matey (who was filling in for the injured senior Hewitt Tomlin for the second consecutive week) received the ball on his own 19-yard line and the Hopkins offense went to work.

Piecing together a methodical ten-play 81-yard drive that included a fourth down conversion at their own 29-yard line in the rain and soggy field conditions, the Blue Jays added the first seven points to the scoreboard.

Matey found senior wide receiver Sam Wernick for a 22-yard touchdown pass with eight seconds left on the clock in the first quarter.

Juniata received the ball after the Hopkins score and attempted to put together an offensive drive of their own. The Blue Jay defense refused to allow the momentum to slip away, however, and held the Eagles to just four yards on three plays to force another punt.

On the ensuing possession Hopkins extended their lead on a 13-play, 63-yard drive that took place over four minutes. The sequence was capped with a seven-yard touchdown pass to junior wide receiver Scott Cremens.

The Blue Jay defense allowed just five more yards over the course of the next two Juniata possessions, forcing two more punts

before adding another touchdown to their total with four minutes left in the half.

Hopkins needed just three plays to march 53 yards as junior running back Jonathon Rigaud scored on a 22-yard touchdown run, extending Hopkins lead to 20-0.

As the first half came to a close Hopkins entered the locker room leading by 20 points, but the real story was in the defense.

Led by senior cornerback Sam Eagleson and junior linebacker Taylor Maciow, the Blue Jay defense did not allow a first down in the first half. Keeping the offense on the field and dominating the time of possession allowed the Blue Jays to increase their lead.

Matey, fresh off an impressive first collegiate start in last weekend's win over Muhlenberg, was again sharp, throwing 17-of-31 on the game with 161 yards and two touchdown passes.

Wernick hauled in seven receptions for a total of 52 yards and recorded a receiving touchdown of his own.

On the first possession of the second half the Blue Jays forced another punt. This time Juniata was unable to punt the ball away; the kicker mishandled the snap, and the ball was fumbled and picked up by Hopkins freshman Michael Longo. Longo ran the ball back 20 yards for the score.

The fumble demoralizes the Eagles' last hopes to comeback, as the Blue Jays increased their lead to 27-0.

The next Hopkins possession resulted in the final points of the day. A nine play, 65-yard drive was finished off with a 12-yard touchdown run by junior full back Scott Barletta. With the score now 34-0 and seven minutes remaining in the third quarter, the Blue Jays let off the accelerator. Both teams were unable to score in the final quarter, and Hopkins celebrated as the final whistle blew.

The impeccable defensive play allowed Hopkins to concede the fewest yards ever in school history. The Blue Jays are one win away from tying the longest school win-streak of 11 games as they take on Dickinson at Homewood field on Friday, October 14. Halfway through the season, Hopkins sits on top of the Centennial Conference, and looks to improve on the undefeated season in the upcoming weeks.

## Lady Jays fly by Diplomats in Wednesday rout



COURTESY OF MORGAN YANG

Senior midfielder Erica Suter has had a historic season already, becoming Hopkins' all-time goal-scorer and assists leader and has now led the Lady Jays to a 10-0 start. See page B10 for full coverage.

## Volleyball bounces back with authority

By SCOTT BARRETT  
Staff Writer

The Hopkins volleyball team capped off a strong week with impressive wins over Hood College and Centennial Conference rivals Swarthmore and Franklin and Marshall. The victories improved the Jays' record to 13-4 overall and 4-0 in the Centennial. Hopefully these wins provide a good indication of what's to come for the Jays.

After having their five-match winning streak snapped by Stevenson last Tuesday, the Jays' looked to bounce back and reestablish themselves. They did just that, beginning with a three-set sweep of the Blazers of Hood College last Thursday.

The Blue Jays entered their second straight non-conference affair looking to regain their momentum

and prepare themselves for their four upcoming Centennial Conference matches. After a hard-fought first-set victory, 25-17, the Blue Jays easily handled the Blazers in the second and

Blazers were not going to go away that easily on their home court.

They pulled to within five points to cut the lead to 20-15, but the Jays stopped the Blazers' momentum to

the Garnet their fifth loss of the year.

Hopkins' ladies did not disappoint, and won their 12th match of the season in what proved to be a five-set onerous battle. The close start to the first-set provided a good indication of the type of match this would be, with neither team being able to find much separation.

Swarthmore capitalized on their minimal opportunities however, and rallied behind two separate four-point runs to take the first set 25-19. The second set was more evenhanded than the first, with both teams countering the others' offenses with runs of their own.

After the Garnet responded to a three point Blue Jay run, the teams found themselves locked at 24. The Jays' collected themselves on the ensuing points however, and took advantage of two Garnet mistakes to give them a 26-24 victory.

Despite the shift in momentum toward Hopkins, Swarthmore made the adjustments necessary to ensure a 25-20 win in the third set. The Jays never led in the third set, and thus would need to make adjustments of their own in order to even the match.

The Jays neutralized the Swarthmore attack in set four, and used an early seven-point run to enable a 25-17 win and force a fifth set. The Garnet have had more experience in five set matches this year, having been involved in two as compared to the Jays lone five set match resulting in a 3-2 defeat at the hands of Case Western University in early September.

SEE VOLLEYBALL, PAGE B12



COURTESY OF MORGAN YANG

Volleyball is in the midst of three-game winning streak heading into Saturday vs. Ursinus.

third sets, winning 25-8 and 25-16, respectively.

The first set began with both teams alternating points, until halfway through the set at an 11-11 score. That's when a kill from freshman middle blocker Allison Chisenhall put the Blue Jays ahead for good. When Hopkins found itself leading 20-17, freshman outside hitter Meagan Donohue stepped up and served five consecutive points to give the Jays a 25-17 win.

It was smooth sailing after the gritty first-set, with Hopkins jumping out to an 11-0 lead in the second set behind freshman Mariel Metalios' effective serving.

The Jays dominated the second-set 25-8, providing extra confidence for the third set. The Jays got off to a quick start once again, behind the serving of freshman Taylor Jansen.

Despite the 7-0 start, the

take the third set 25-16. The 3-0 sweep in straight sets marked the Jays' ninth of the season. Freshman outside hitter Katie Schwartz led the Jays' with 10 kills followed by freshman middle hitter Ellen Rogers with eight.

On the defensive end, Metalios not only served her way to help the Jays jump out to an early second set lead, but she also lead all players with 15 digs and contributed 35 assists.

The Jays' commanding road win certainly reassured their confidence in preparation for their next match against Centennial Conference foe Swarthmore.

The Lady Jays entered Saturday's match with the expectation of effectively moving ahead of the Swarthmore Garnet in the Centennial Conference standings. The Jays understood that they would have to execute in order to hand

### INSIDE

#### MLB Playoffs: LDS Game Fives

All eyes will be on October baseball Thursday night as the Detroit Tigers and New York Yankees battle in Game Five of the ALDS. Jeff Lynch gives his take on what's to come. **Page B10**

#### Athlete of the Week: Jessica Hnatiuk

Against Centennial Conference rival Swarthmore, senior defender Jessica Hnatiuk preserved women's soccer's spotless record win a game-winning 3-2 goal. **Page B11**

#### Cross Country: Paul Short Invite

Both the men's and women's cross country teams ran in the competitive Paul Short Invitational at Lehigh University this past weekend, a predominantly Division-I race. **Page B10**



FILE PHOTO

Robbie Matey and Jonathan Rigaud were a deadly combo at Juniata.

## BLUE JAY SCOREBOARD

### VOLLEYBALL

Thursday, September 29:  
Hopkins 3, Hood 0

Saturday, October 1:  
Hopkins 3,  
Swarthmore 2

Wednesday, October 5  
Hopkins 3,  
Franklin and Marshall 0

### FOOTBALL

Saturday, October 1:  
Hopkins 34, Juniata 0

### M. SOCCER

Saturday, October 1:  
Hopkins 2,  
Franklin and Marshall 1

Wednesday, October 5:  
Hopkins 0, Salisbury 2

### FIELD HOCKEY

Saturday, October 1:  
Hopkins 2,  
Swarthmore 3

Wednesday, October 5:  
Hopkins 1,  
Franklin and Marshall 2

### W. SOCCER

Saturday, October 1:  
Hopkins 3,  
Swarthmore 2

Wednesday, October 5:  
Hopkins 0,  
Franklin and Marshall 0

### CROSS COUNTRY

Friday, September 30:  
Paul Short Invitational:  
Men -- Ninth  
Women -- 29th